



# Important

About ...

## Installation

Ensure that the mains supply in your house complies with that indicated on the identification sticker located at the back of your device. Install the device horizontally, on a suitable base (solid unit with a non-slippery surface), with enough space around it for ventilation (7 to 10 cm). Make sure the ventilation slots are not covered. Your device is equipped with a fan which produces a slight hum. Do not stack other devices, or heavy equipment on top of your machine. Do not place it on amplifiers or other equipment which may give off heat. Before moving the device, ensure the disc tray is empty. This device is designed for continuous use. Switching it into stand-by mode does not interrupt its power supply. If the device is to be left unused for a long period of time or in the event of a thunderstorm, we recommend that you unplug the device from the mains. The power socket must therefore be easily accessible.



## Caution

Protect the player from moisture and excess heat (e.g. fireplace, radiators), and any equipment creating strong magnetic or electric fields (e.g. speakers, etc.). Disconnect the power cable from the mains electricity supply if the player malfunctions. Your DMR is not intended for industrial use but for domestic purposes only. Use of this product is for personal use only. Copying CDs or downloading music files for sale or other business purposes is or may be a violation of copyright law.

DISCLAIMER OF WARRANTY: TO THE EXTENT ALLOWED BY APPLICABLE LAW. REPRESENTATIONS AND WARRANTIES OF NON-INFRINGEMENT OF COPYRIGHTS OR OTHER INTELLECTUAL PROPERTY RIGHTS RESULTING FROM THE USE OF THE PRODUCT UNDER CONDITIONS OTHER THAN AS HEREBY SPECIFIED ARE HEREBY EXCLUDED.

## Condensation

If your player or a disc have been stored in a cold atmosphere, as for example during transportation in the winter, wait for approximately 2 hours until they have reached room temperature.

## For your safety

Never open the player or any of its components. It can be dangerous for you or for certain fragile components. You could receive an electric shock or touch the laser beam. Do not place your eyes close to the opening of the disc tray or any other opening to look inside the player.

## Discs

Always handle your discs with care. Hold a disc with fingers on the border or hole. Always place disc with the label facing upward (in case of a single-sided disc). Always place the disc properly into the tray using the proper guide area. Always use a soft cloth to clean discs if necessary, wipe from the centre to the border. Always put discs back into their cases after playing and store in a vertical position. Never use record cleaning sprays, benzine, static electricity liquids or any other solvent, if the disc surface is dirty. Wipe gently with a soft damp (water only) cloth, never wipe the disc in a circular motion, since circular scratches are likely to occur and could cause noise during playback.

## DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be triggered on and off by the DVD disc itself, in order to make any recording of the concerned DVD disc onto a videotape of very poor picture quality, or even impossible. "This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited." Copy-protected discs using the Macrovision or CGMS system cannot be copied.

## Dear customer,

Please note that when this product will reaches the end of its service life, you will need to take responsibility for any special handling needed in its disposal.

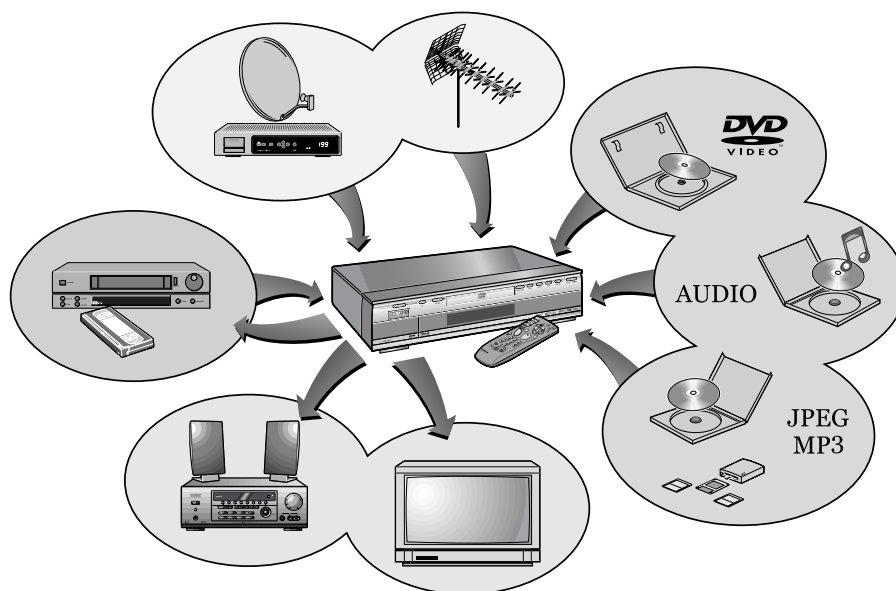
*THOMSON multimedia shall not be responsible if the player is not used according to this manual.*


# Your DTH 7000 E

About ...

## About your device

Your DTH 7000 E is classed as a DMR (**D**igital **M**edia **R**ecorder). In a single unit, it combines a DVD, Audio CD, VCD and CD-R player, a TV tuner and a 40-gigabyte hard disc. Depending on the setting you choose, you'll have close to 36 hours for your video recordings, JPEG images or MP3 files. With its full range of connectors, your DMR connects to most analog and digital audio/video devices on the market.



Your DMR (Digital Media Recorder) is going to revolutionize your perception of television. You are now the producer of your own programs and can, for instance, interrupt the TV program you are watching in real time (to answer the phone) then resume watching where you had left off. Delayed viewing fast-forward and rewind functions enable you to play and replay the most interesting sequences without having to worry about the rest of the program which is still being recorded. These features could make you loose track of time. Fortunately, the **LIVE** key keeps you in contact with real time by immediately showing the program being broadcast at that moment by the channel you are watching. You can of course go back to delayed viewing with the **REV** key, as if you were rewinding a video cassette. As soon as you start watching television, your DMR automatically records everything you watch. It saves the last 45 minutes of the program(s) watched until it is switched off by pressing the **STANDBY / ON** key or .

# Discs you can play

About ...



**Digital video discs** - 12 cm and 8 cm, single or double sided, single or dual layer. DVDs are high density optical discs on which high quality picture and audio are recorded by means of digital signals.

## Region code number



Your device responds to the regional management information recorded on DVDs. The regional code of your DMR is 2. Before buying a DVD, make sure that it bears the correct logo. **ALL** means all regions.



**Other regions** - **1:** USA, Canada - **2:** Europe, the Middle East, Rep. of South Africa, Japan - **3:** Southeast Asia, Taiwan - **4:** Central America, South America, Australia, Mexico, New Zealand - **5:** Russian federation, Africa (except Egypt and Rep. of South Africa), India, Pakistan - **6:** China.



**DVD-R, DVD-RW** - Most **DVD-R** and **DVD+R** (one recording only), and **DVD-RW** and **DVD+RW** discs (rewritable). Depending on the DVD writer and discs used.



## Video CD (VCD) - Video Compact Disc.

CD on which you can record up to 74 min. of VHS-quality video associated with still images, audio tracks and interactive menus.



**CD-R, CD-RW** - Most **CD-R** (one recording only) and **CD-RW** discs (rewritable). Depending on the CD writer and discs used. Refer to page 58 for tips on copying CD-Rs.



**Audio CDs** - 8 and 12 cm audio CDs



**MP 3 files** - CD-Rs and CD-RWs containing **SOUND** files in MP3 format.



**JPEG files** - CD-Rs and CD-RWs containing **PICTURES** in JPEG format (max. image size = 2.1 million pixels).



**NTSC playback on PAL TV set** - In addition to the PAL DVDs and video CDs, you may enjoy your favourite NTSC movies as well (a 60 Hz PAL compatible TV set is required). (For monitors with only NTSC input, please see p 51.)



# Contents

About ...

## About ...

Important .....	1
Your DTH 7000 E .....	2
Discs you can play .....	3
Contents .....	4
Functions index .....	5

## Installation

Unpack your equipment .....	6
Inserting the batteries .....	7
Basic connections .....	8
Initial installation .....	9
Automatic channel search .....	10-13
Satellite or cable receiver .....	14-17
Rear connectors .....	18
Other connections .....	19-20
Front connectors .....	21

## Main functions

Remote control .....	22-23
Front panel .....	24
Display panel .....	25
How to use the menus .....	26
Menu layout .....	27
Interactive banners .....	28-29

## Using your DMR

Basic functions .....	30-31
Repeat playback .....	32
Zoom / Angle / Video CD .....	33
DISC menu .....	34-35
Displaying digital photos .....	36
Playing audio files .....	37
Recording (music and images) .....	38
IMAGES and MUSIC menus .....	39
Your DMR in TV mode .....	40-41
Programming a TV recording .....	42
TV guide (NAVICLICK) .....	43
VIDEO menu .....	44
Managing your recordings .....	45

## Advanced settings

Preferred languages .....	46-47
Child (lock) .....	48
Rating limits .....	49
The OPTIONS menu .....	50-51

## Additional info

Universal remote control .....	52	Troubleshooting guide .....	56-57
Controlling the other devices .....	53	CD-Rs and MP3 files - (Recommendations) ..	58
NAVICLICK settings .....	54	Remote control - Code A-B .....	59
Channel identification .....	55	Technical data .....	60





# Functions index

About ...

INDEX	Page
<b>Display</b>	
Banners	28-29
Menu	26-27
Playback control menu	33
DISC menu	34-35
DVD menu	34
PICTURES menu	39
MUSIC menu	39
Subtitles - Language of DVD subtitles	47
<b>Connection</b>	
About your device	2
Connections	14
IR controller connection	16
Headphones	21-24
Coaxial	18
Coaxial cable	8
Power cable, Antenna cable	6
Scart cable	6-8
Deactivating the programming of the satellite or cable receiver	16
Channel broadcasting	10
Optical	18
Connections	18-19-20
Selecting the input sockets	24
AV1 output, AV2 output	24
Digital output	50
PAL or NTSC output	51
USB	21
<b>Copying</b>	
File or video transfer to your DMR	21
<b>Recording</b>	
Stopping the recording	41
Recording through the NAVICLICK TV guide	43
Recording with the programmer	42
Recording from a CD-R	38
Recording from a memory card	38
Recording the current program	41
Record	24-25
Deleting recordings	45
<b>Play</b>	
Direct access to a music track	31
Start	34
DVD-R, DVD-RW, Video DVD	3
Automatic playback	34
Playing a disc	30
Card reader	21
Reading image files in JPEG format	36
NTSC playback	3
Repeat play	32
Repeat playback of a scene between two points	32
Rating limit	49
Play list	34
Slow motion	31
Quick search of images or a track	30
Titles, chapters, time elapsed, audio and subtitles	31
DVD title	25
Unrated titles	49
Video CD	3
<b>Programming</b>	
Programming the remote control	52
<b>Setting</b>	
Adjusting your DMR's IR controller cell	14
Audio - Language of DVD dialogues	46
Other socket settings	15
Encoded channel	12
Changing the secret code	48
Choosing the channel to download the Naviclick guide	54
Choosing TV channels	40
Sorting the channels	11-13
Disc (Language of DVD menus)	47
Screen format	34
Picture formats on your TV set	35
Time	13
Naviclick guide downloading time	54
Automatic channel search	10
Manual set-up	12
Manual channel search	12
Channel set-up	10
Display language and country of residence	10-15

INDEX	Page
Preferred language	9
Time set	13
Channel update	13
Naviclick update	54
NexTVLink Link	10
Black level	51
Channel numbers	12
Station numbers	11
New channel	11
Country of residence	12
IR controller positioning	14
Picture quality	18
Sound quality	18
Clock setting	11
Remote control setting on code B	59
DMR setting on code B	59
Initial settings	9
DMR / satellite or cable receiver settings	15
<b>Replay</b>	
Pause Live TV	40
Repeating a chapter, disc or title	32
Replaying what you missed	41
<b>Viewing</b>	
Display	46
Display panel brightness	51
Display panel: TV functions, With a disc, Other indications	25
Camera angle	33
Still picture and frame advance	31
Loading a disc	30
Audio CD, CD-R, CD-RW	3
Consulting the TV guide through NAVICLICK	43
JPEG pictures	3-36
Audio pause	24
TV pause	24
Zoom	33
<b>Miscellaneous</b>	
Hum	1
Heat	1-7
Code A-B	59
Regional code	3
Satellite / cable receiver codes	17
Remote control codes	Cover
DMR	2-6
If you have a problem	60
Environment	7
Troubleshooting guide	56
Winter, Dampness	1
The environment	7
The buttons on your DMR	24
List of channels	13
List of Naviclick channels	55
Live	25
LR06-AA	7
Turning your DMR on or off	24
MP3	3-37-58
Cleaning	1
Phone	21
Batteries	6-7
Used batteries	7
Polarities	7
dvd position	22
How to use the menus	26
Intellectual property	1
What to expect from your DMR	2
Laser beam	1
Satellite receiver	14
Recommendations	58
Recycling	1
Renaming the recordings	45
Responsibility	1
SRS - TruSurround	50
Standby mode	51
Remote control: Menus and banners	22
Remote control: Main functions	23
Channel downloading	10
Temperature, Ventilation, Fan	1
Using the menus with the navigation keys	26
Player lock (Child lock)	48





# Unpack your equipment

Installation

Thank you for purchasing one of our products. Unpack the box and check that nothing is missing.



*DMR (Digital Media Recorder DTH 7000 E)*



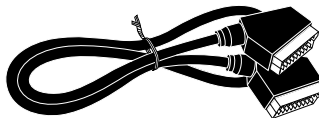
*Remote control and batteries  
(non-rechargeable batteries AA type)*



*Set up and user manuals*



*Mains lead*



*Scart/peritel cable  
(21 cabled pins)*



*IR Controller*



*R.F. lead*

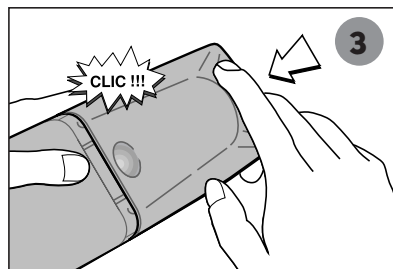
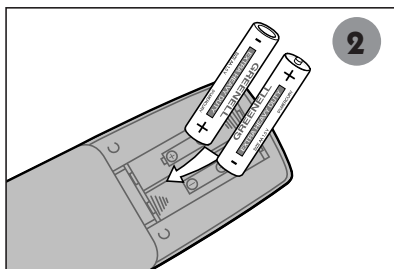
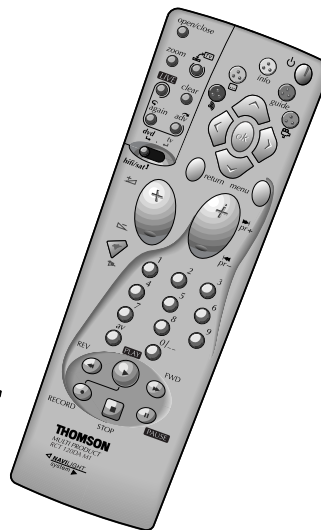
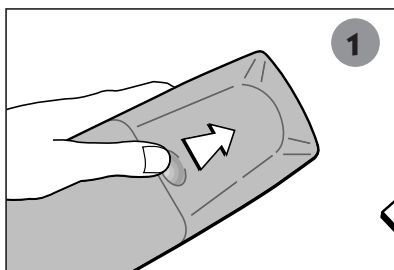
*This manual will enable you to install your DMR by connecting it correctly and setting up the channels. To do this, follow each step of the instructions given in this document.*



# Inserting the batteries

Installation

Remove the cover from the battery compartment. Insert two LR06 or AA batteries, ensuring correct polarities (+/-). Put the cover back on the battery compartment.



*Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries. In order to avoid any risk of explosion, observe polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not throw them into fire, do not recharge them. If you are not using the remote control for a long period of time, remove the batteries.*



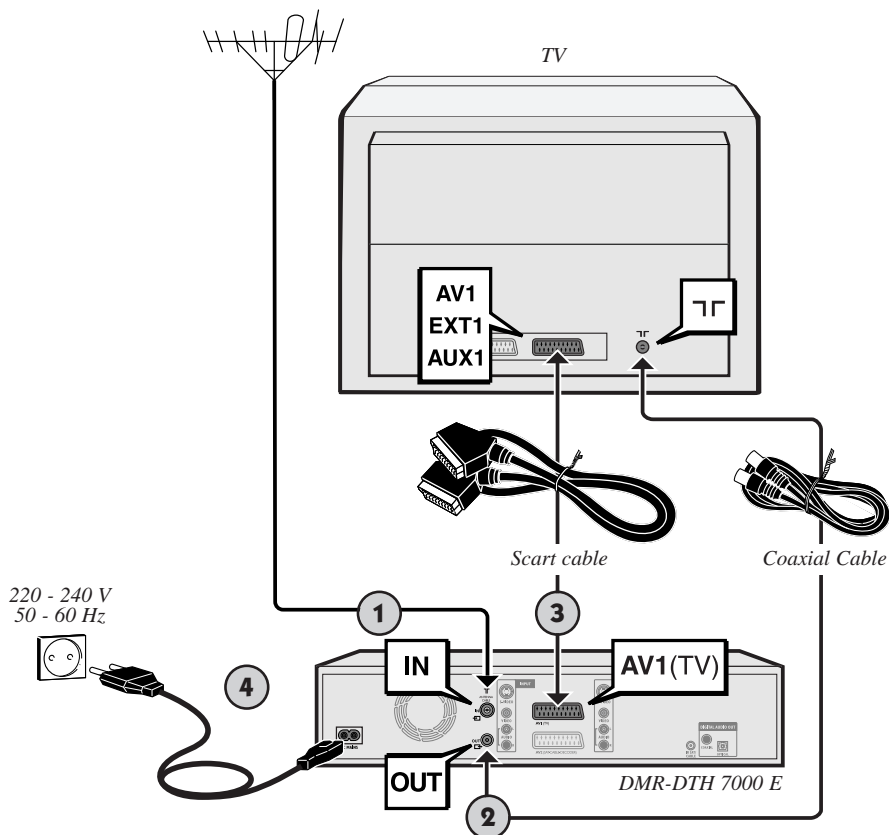
*Please respect the environment and prevailing regulations. Before you dispose of batteries ask your dealer whether they are subject to special recycling and if he accepts to take them back.*


# Basic connections

Installation



Your DMR has many connection possibilities to allow it to fit into a setup comprising several devices. We recommend that you follow the connection setup on this page, and then carry out the adjustments shown on the following pages. You will first need to set up the channels as explained in the following pages before the final interconnection of the devices, described on pages 14 to 20.



- ① Unplug the antenna cable from your TV set and plug it into the **ANTENNA-CABLE IN** socket of your DMR.
- ② Using the coaxial cable supplied, connect the **ANTENNA-CABLE OUT** socket of the DMR to the  antenna socket of your TV set.
- ③ Using the Scart cable supplied, connect the DMR's **AV 1** socket (TV) to the scart socket of your TV set (labelled **AV 1**, **EXT 1**, **AUX 1** depending on the make).
- ④ Use the electric cable to connect your DMR to a mains socket, by first connecting the cable to the back of the DMR.



# Initial installation

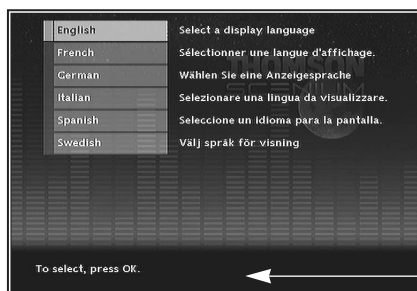
Installation



To take full advantage of your DMR's TV functions, you must carry out initial installation settings. These settings are explained on pages 9 to 13. Prior reading of that section will make this easier. Follow each stage step by step.

1. Turn on your TV set.
2. Turn on your DMR by pressing the **STANDBY / ON** button (on the front panel).

The first time you turn it on, your DMR will ask you to select a preferred language for the various displays through the menu which appears on your TV screen. If this menu is not displayed, on your TV select the AV socket to which you connected your DMR.



Most menus come with instructions or explanations.

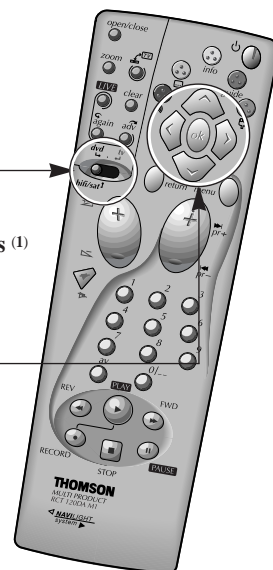
3. Position the remote control function selector on *dvd*.



4. Choose the language using the remote control **Navigation** keys <sup>(1)</sup> then confirm by pressing **ok**.



In the following pages, the **Navigation** keys will be described by the symbols  $\uparrow$   $\downarrow$   $\leftarrow$   $\rightarrow$ . (Also refer to pages 22 to 26).



The DMR menus as well as the dialogues and subtitles of the DVDs will always be presented in the language you've chosen if it is available on the discs played.



# Automatic channel search

Installation



In each region, TV stations are broadcast on different channels. Your DMR cannot be factory-set to receive the TV channels of your area. You will have to set up the channels by following the automatic procedure recommended below.

5. Select your country of residence using the ▼ or ▲, keys, and press **ok**.



- ⇒ The **Automatic** line is already selected. Press **ok**.
- ⇒ The screen displayed is a set-up screen for the allocation of input terminals.

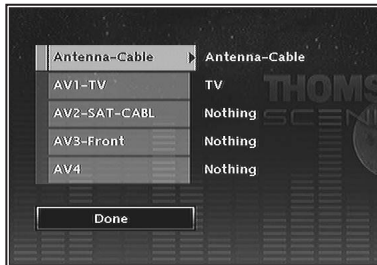


• **Other terminal settings** (set with the ▲▼/◀▶ keys).  
**Antenna-Cable:** for an antenna connection on the **ANTENNA-CABLE IN** socket of your DMR (→ N° 1 on page 8)

**AV2-SAT-CABL:** leave **Nothing**. Installation with a satellite receiver or cable terminal is explained on page 14.

**Other:** for the connection of another device (VCR, etc.).

**Nothing:** If no device is connected to the socket concerned.



6. If you connected your devices as indicated on page 8, check that **Antenna-Cable** has been allocated to **Antenna-Cable**, otherwise change the allocation using the ► key on the remote control.

7. Then select the **Done** line with the ▼, key and press **ok**.

- ⇒ An installation window will appear. A blue cursor shows the progress in the set-up of the channels. You will need to wait a fair amount of time. When all the channels that you can receive in your area have been stored **100 %** is indicated. The number of channels found is indicated by **xx channels found**. Press **ok**.



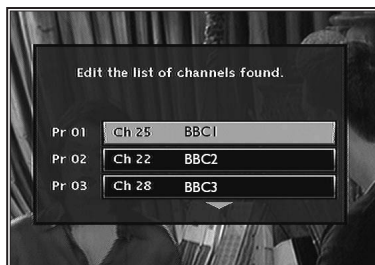
Your DMR is equipped with the **AV Link** function. This function simplifies channel set-up by downloading them from an AV Link or similar television set (Easy Link, Smart Link, Megalogic, etc.) which is already set up. The channels downloaded in this way keep the same characteristics as those of your TV set (same number, name, etc.). Your DMR's AV Link downloading function is enabled (factory setting). If you want to disable this function, select **AV Link - Off** in the **Installation** menu (within the **Setup** menu).



## Sorting the channels

- 8.** A channel sorting window will appear. The picture of the selected channel is shown in the background.

The automatic channel search has assigned numbers to the channels in a predefined order. These numbers may not be the numbers you would have chosen. Should this be the case, you can change these numbers by following the instructions at the bottom of the screen. For easy channel identification, we suggest you have a TV magazine at hand.



### • Channel sorting instructions

Move: press **ok** (then the up/down keys until you reach the desired position (Pr no. on the left of the list then **ok** → swapping of the 2 channels)

- Delete: **clear** key

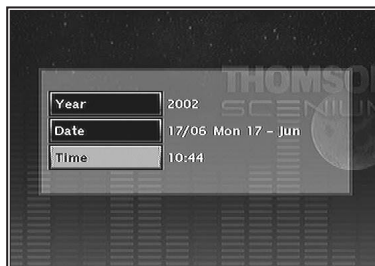
- Rename: **info** key x 2 → grid → **DONE**

- Decoder set-up: **av** key (displays a symbol in the list of channels)

- 9.** When all channels have been sorted to your liking, press the **➤** key.

Your DMR has an automatic time (and date) setting function. In general, no setting is required on your part. However, it is possible that the time may be incorrect. In such a case, a clock setting window will appear (1).

⇒ If the year, day, date and time are correct, select **Time** using the **▼** key and press **ok**. Otherwise, carry on with the clock setting as follows.



### Clock setting

- 1.** The year is highlighted. Enter the year's 4 digits (press 2, 0, 0, 2 for 2002).
- 2.** Then enter the 4 digits of the date (press 1, 6, 0, 5 for 16th May).
- 3.** Enter the 4 digits of the time (press 1, 5, 5, 9 for 15:59 (3:59 PM)).
- 4.** Then press **twice** on **ok**.

⇒ The Main Menu will appear again. Channel set-up is complete.

You can now use your DMR and take advantage of its numerous functions. If you want to connect a satellite receiver to your DMR, refer to page 14 for the recommended connection. You can also complete your installation through the settings available in the **Options** menu (refer to pages 50-51).



• If you want to redo the automatic channel set-up, you will have to select **Interactive setup** in the **Installation** menu (in the **Setup** menu).



## Manual channel search

If you want to set up a new channel, use the manual search procedure which will enable you to add a channel to the ones already set-up on your DMR. The channels already stored will not be deleted.

1. If the main menu is not displayed, press the **menu** key.
2. Select the **Setup** line using the **▲** or **▼**, keys, and press **ok** to validate.
3. Select the **Installation** line using the **▲** or **▼**, keys, and press **ok** to validate.
4. Select the **Manual Search** line using the **▲** or **▼**, keys, and press **ok** to validate.

### Country of residence

5. Select your country of residence using the **▲** or **▼** keys on the remote control, and press **ok**.  
⇒ A set-up window will appear. The **Standard** line is highlighted.
6. 5. Select your country's TV standard using the **►** key.




#### TV Standards

**FRANCE (LL')** for France.

**EURO BG (BGH)** for Western Europe.

**DKK'** for Eastern Europe.

**I** for the United Kingdom.

7. Select the **Reception** line using the **▲** or **▼**, keys, and use the **►** key to choose the type of antenna.
  - Reception through external antenna: select **Antenna (Ch)**.
  - Cable reception: select **Cable (Ca)**.
8. Select the **Channel** line using the **▲** or **▼** keys.
9. Press **pr+** to start the Manual search.
  - ⇒ The search starts. When a channel is found, the picture appears in the background. The channel number is indicated (e.g.: **Ch 06**).
    - If the channel is encoded, press **av** to display the pictogram  next to the channel number.
    - If the picture is poor, select **Fine Tuning** using **▲** or **▼** and adjust with **pr+** or **pr-**.
10. When the picture and sound of the channel are good, select the line **Save** using **▲** or **▼**, and assign a channel number with **pr+** or **pr-** or the **number** keys. Press **ok** to store the number that you have assigned to the channel.
  - ⇒ The **Channel** channel line is once again highlighted to start a new search. Repeat the procedure from step 9 to search for a new channel or press **menu** to exit the manual set-up.





## Channel update

If new channels make their way into the audiovisual scene, you will have to update your DMR's list of channels. In such a case, start a new channel search from the installation menu. This set-up deletes all stored channels and resets all the channels that your DMR can receive. If you only want to set-up a single channel, refer to the manual search on page 12.

1. If the main menu is not displayed, press the **menu** key.
2. Select the **Setup** line using the **▲** or **▼**, keys, and press **ok** to validate.
3. Select the **Installation** line using the **▲** or **▼**, keys, and press **ok** to validate.
4. Select the **Channel Search** line using the **▲** or **▼**, keys, and press **ok** to validate.



An installation window will appear. A blue cursor shows the progress in the set-up of the channels. When all the channels that you can receive in your area have been stored, **100 %** is indicated. Press **ok** to return to the **Channel Search** line. Press **menu** to return to the main menu.

## Time set

Your DMR has an automatic time setting system which recognises the time signals put out by certain channels. If your DMR is not set at the right time, you can reset it by following the instructions below:

1. If the main menu is not displayed, press the **menu** key.
2. Select the **Setup** line using the **▲** or **▼**, keys, and press **ok** to validate.
3. Select the **Installation** line using the **▲** or **▼**, keys, and press **ok** to validate.
4. Select the **Manual Clock** line using the **▲** or **▼**, keys, and press **ok** to validate.



Refer to the **Time Setting** paragraph on page 11 to set the time on your DMR.

## Sorting the channels

1. If the main menu is not displayed, press the **menu** key.
  2. Select the **Setup** line using the **▲** or **▼**, keys, and press **ok** to validate.
  3. Select the **Installation** line using the **▲** or **▼**, keys, and press **ok** to validate.
  4. Select the **Channel List** line using the **▲** or **▼**, keys, and press **ok** to validate.
- ⇒ Refer to the **Channel Sorting** paragraph on page 11 to check or sort out the channels stored on your DMR.

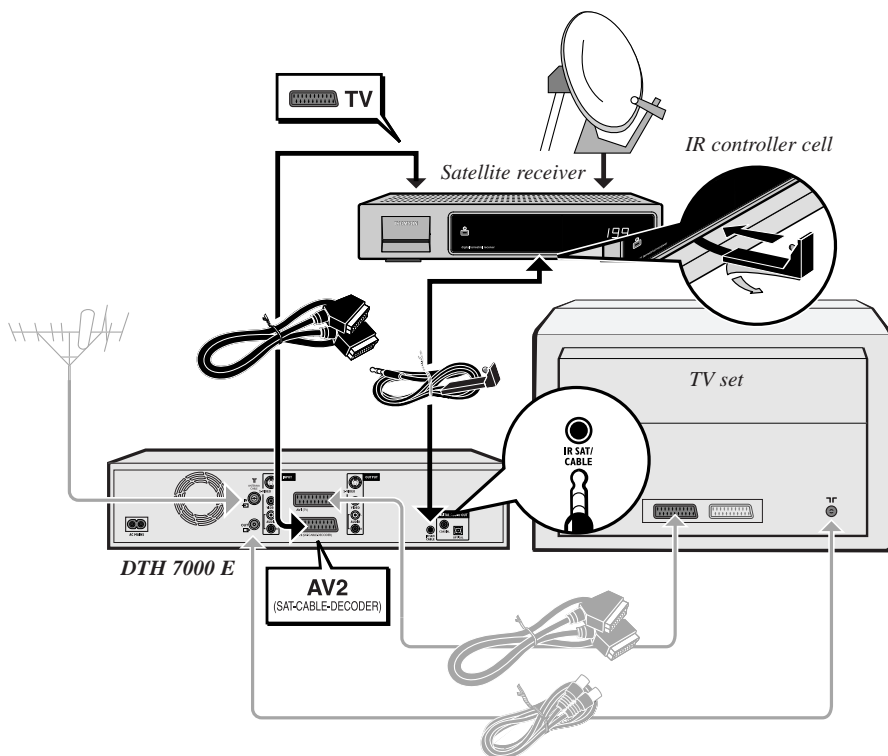


# Satellite or cable receiver

Satellite set-up



*Your DMR is designed to control a satellite receiver. For this purpose, the satellite receiver must be connected to the AV2 and IR SAT/CABL sockets of the DMR. Before you connect your satellite receiver to your DMR, you need to set up all the channels on the satellite receiver (receiver directly connected to the TV set) and check that you can view them on your TV set. Then connect the devices as described below.*



## Adjusting your DMR's IR (infrared) controller cell

You need to find the correct positioning of the IR controller cell in relation to the front of the satellite or cable receiver so that your DMR can transmit the commands as you would do with the satellite receiver's remote control. The IR (infrared) controller cell must face the receiver cell of the satellite receiver. You can locate the receiver cell of the satellite receiver by bringing its remote control as close as possible to the front of the device and trying to change channels. Move the remote control one centimetre and try again. When the channel of the satellite receiver changes, locate the position on the front of the unit. Then install the IR controller cell as shown on the diagram below, facing the cell of the satellite receiver (1 or 2 cm away). If need be, use the adhesive supplied to stick the cell in place.





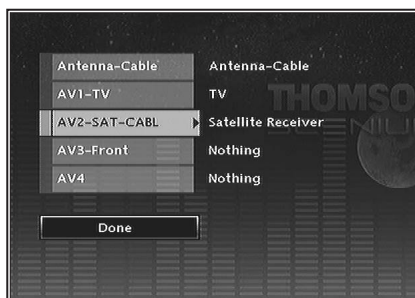
## DMR / satellite or cable receiver settings

1. Switch on your TV set, your DMR, then your satellite or cable receiver.
2. Place the receiver on channel **002**.  
With your DMR's remote control, carry out the following settings:
3. If the main menu is not displayed, press the **menu** key on the remote control.
4. Select the **Setup** line using the **▼** or **▲**, keys, and press **ok** to validate.
5. Select the **Installation** line using the **▼** or **▲**, keys, and press **ok** to validate.  
⇒ The **Interactive setup** line is already selected. Press **ok**.



### Display language and country of residence

6. Choose a display language for the following screens.
7. Select your country of residence using the **▼** or **▲**, keys, and press **ok**.  
⇒ The **Automatic** line is already highlighted, press **ok**.  
⇒ The screen which appears is a set-up screen for the allocation of input terminals.
8. If you connected your devices as indicated on page 14, check that **Satellite Receiver** has been allocated to **AV2-SAT-CABL**, otherwise change the allocation using the **►** key.



**Cable Receiver or Satellite Receiver:**  
to connect with a satellite or cable receiver terminal on the AV2 socket of your DMR (connection shown on page 14). The other settings are explained on page 10.

9. Then select the line **Done** and press **ok**.  
⇒ An installation window will appear. A blue cursor shows the progress in the set-up of the channels. When all the channels that you can receive in your area have been stored, **100 %** is indicated.  
Press **ok**.

⇒ **From now on, follow on-screen instructions appearing in the various windows. If need be, refer to the additional explanations given below.**



## 10. Deactivating the programming of the satellite or cable receiver

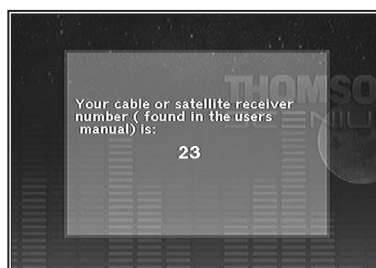
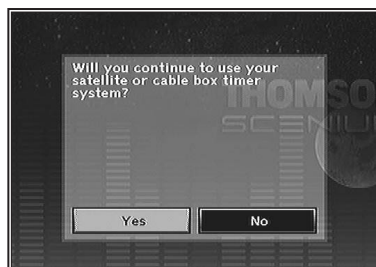
**Yes** is selected to deactivate the programmer. In that case, all your satellite recordings will have to be programmed from your satellite or cable receiver (this is the recommended setting). Leave **Yes** selected and press **ok**.

## 11. IR controller connection

- Follow on-screen instructions and press **ok**.

## 12. Enter the receiver code

- Now key in your receiver's satellite code number (refer to the table on the next page), then press **ok** to validate. If the make or model of your satellite or cable receiver is not shown, try other numbers in the list displayed. If unsuccessful, contact your retailer.



*Your DMR asks you to display channel 2 on the satellite receiver. However, with some receivers, it is preferable to display channel 0.*

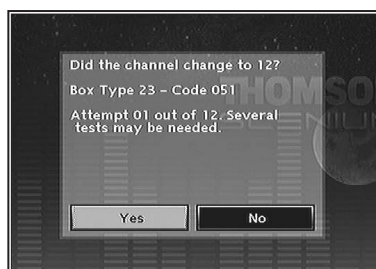
## 13. Press ok to start the test

- ⇒ The DMR sends a signal to your satellite receiver via the infrared controller cell. A configuration menu will appear as the satellite receiver positions itself on channel 12 (check that channel number 12 appears on the display panel of the satellite receiver, sometimes fleetingly, and even if no picture is visible on the TV screen).

If the satellite receiver is not on channel 12, select **No** with the < or > keys and press **ok**.

- ⇒ Your DMR sends a new command to the satellite receiver. (Several tests are possible, depending on the make of your satellite receiver).

If the satellite receiver goes on to channel 12, select **Yes** with the < or > keys and press **ok**. If unsuccessful, repeat the settings, starting at step 11, but with the satellite receiver positioned on channel 0 instead of 2.



- ⇒ A channel sorting window will appear. The picture of the selected channel is shown in the background. Refer to page 11 to sort the stored channels or set the time on your DMR if necessary.
- ⇒ **Your DMR is now ready to control your satellite receiver to program recordings.**



## Satellite set-up



The list of codes is given as a guide. The codes given are generally those which are recognised by the receivers of the makes quoted. However, they may not correspond to your device if it is an older or more recent model. In such a case, contact your retailer.

### List of satellite codes

AKAI	13	NETWORK	31
ALBA	01, 13, 333, 550, 555, 666	NIKKO	32
ALDES	02	NOKIA	23
ALLSAT	04	<b>NORDMENDE</b>	19, 33
AMSTRAD	03	OXFORD	08
ARMSTRONG	06	ORBITECH	47
BEST	07	PACE	19
B.TELECOM	13, 08	PALADIUM	21
BUSH	19, 01, 09	PALCOM	35
CANAL SATELLITE NUMERIQUE (1)	20	PALSAT	29
CAMBRIDGE	11, 13	PANASONIC	19, 36
CHANNEL MASTER	11	PHILIPS	20
CHAPARRAL	18	PROSAT	19
CITIVISION	10	QUADRAL	38
CITYCOM	26	REDIFFUSION	39
COLUMBUS	35	RFT	20, 21, 26
CONNEXIONS	14	<b>SABA</b>	02, 05, 40, 49
DISKEXPRESS	07	SABRE	58
DNT	15	SAKURA	41
DRAKE	16	SALORA	23
EXATOR	37	SAMSUNG/JUPITER	42
<b>FERGUSON</b>	12	SEEMANS	43
FINLUX	34	SENTRA	44
FUBA	35, 37	SONY	46
GOODMANS	19	SUNSTAR	06
GRUNDIG	19-21	TATUNG	32
HIRSCHMANN	22	TECHNISAT	48
HITACHI	19	TELECIS	19
JOHANSSON	25	TELEDIREKT	43
JVC	19, 08	<b>TELEFUNKEN</b>	19, 49
KATHREIN	26	TELEPIU	59
MANHATTAN	25	TELEVES	56
MASPRO	27	<b>THOMSON</b>	49, 50
MATSUI	21	THORN	58
MIMTECH	28	TOSHIBA	19, 51
MINERVA	21	TPS	67
MITSUBISHI	19	UNIDEN	52
MORGAN	06	UNIVERSUM	21
NAGAI	29	WINERSAT	25
NEC	30	WISI	53
		WOSLEY (TANDY)	54

### List of cable codes

CABLESTAR	60	NOOS	20-67
CABLETIME	60	OAK	63
GI	61	SCIENTIFIC ATLANTA	64
IMPULSE	61	VISIOPASS	20-67
JERROLD	61	VIDEOTRON	66
MACOM	62	VIDEOWAY	66

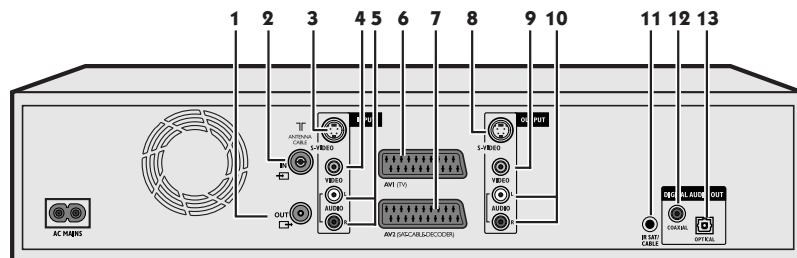


# Rear connectors

Installation



The connection setup shown on page 8 provides rapid connection of your DMR. This setup gives standard-quality sound reproduction and an optimum-quality picture (RGB). Depending on the connectors available on your other devices or to get maximum performance out of your DMR, you may need to use other connection setups. Your DMR has other sockets for these purposes.



1. **Antenna output** to TV set.
2. **Antenna input** (cable or external antenna).
3. **AV3 - S-VIDEO input**
4. **AV3 - Composite VIDEO input (CVBS)**
5. **Analog audio inputs**
6. **AV1 - SCART (RGB)** connector to AV amplifier or TV set
7. **AV2 - SCART (RGB)** connector to decoder, satellite or cable receiver.
8. **S-VIDEO Output (Ushiden socket Y/C signal)**: to AV amplifier or TV.
9. **S-VIDEO Output (Ushiden socket Y/C signal)**: to AV amplifier or TV (standard-quality picture).
10. **Analog Audio Outputs** to amplifier or TV.
11. **IR SAT/CABL Output** to control a satellite or cable receiver.
- 12-13 **Digital Audio Outputs** to amplifier or TV.

## Connections

The table below lists the connectors and quality of your DMR's output signals. Select one of the connection setups described for video connection and one of the setups described for audio connection.

### Video connections (picture)

Picture quality	Type of connector used
***	• <b>AV1(TV) (6)</b> or <b>AV2(SAT) (7)</b> sockets (SCART socket–RGB signals)
**	• <b>S-VIDEO</b> socket (Ushiden socket- Y/C signal)
*	• <b>VIDEO</b> socket (RCA sockets- CVBS signal)

### Audio connections (sound)

Sound quality	Type of connector used
***	• <b>OPTICAL</b> socket ( <b>13</b> ) (Toslink optical connector – digital signal)
***	• <b>COAXIAL</b> socket ( <b>12</b> ) (RCA socket- digital signal)
**	• <b>AUDIO L / R</b> socket (RCA sockets- analog signal)



Connection through the scart socket supplies both video and audio signals. If you choose the connection using a scart cable, you don't need to connect any other sockets.

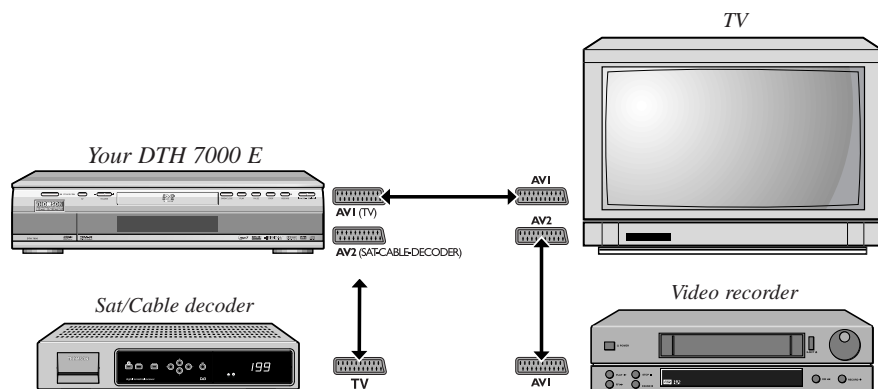
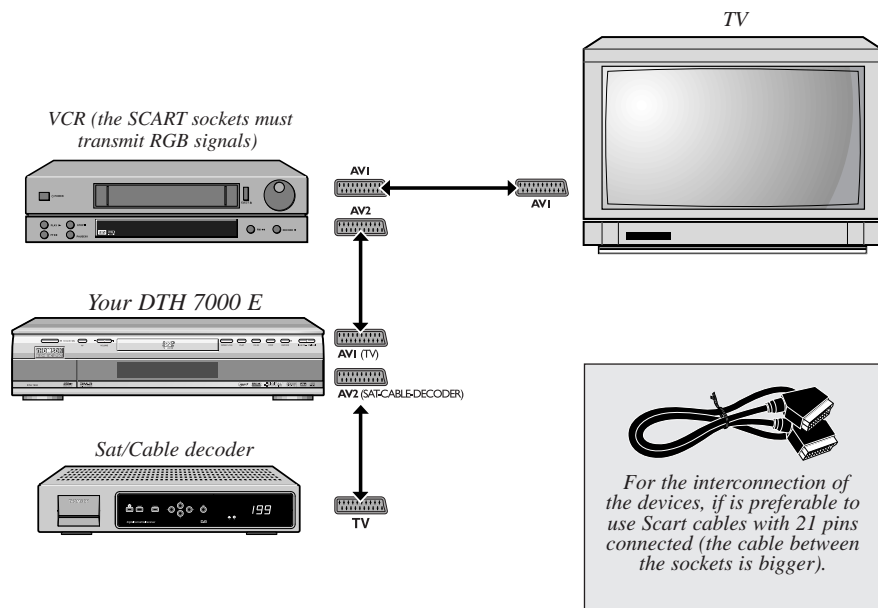


If the connecting cables are not supplied with your DMR, get good quality cables. Opt for known brands. The quality of the video signals available on the SCART input and output sockets can be adjusted (➔ page 51).

# Other connections

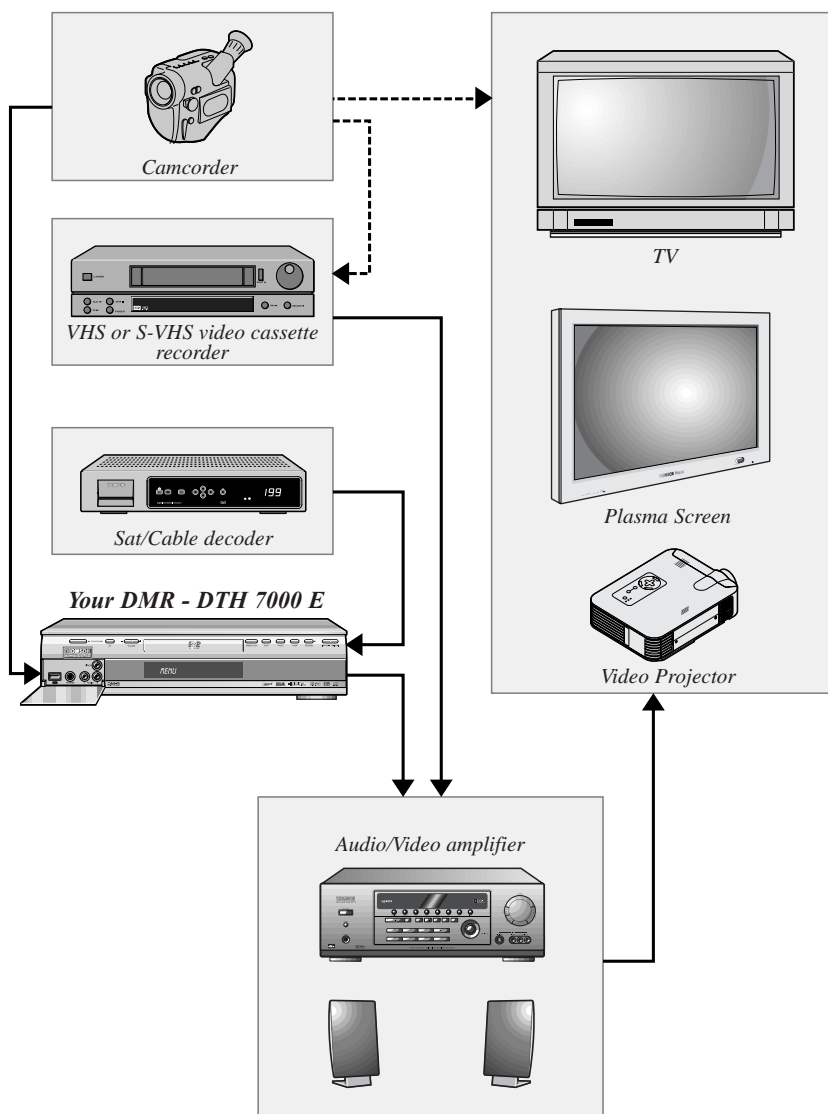
Installation

## Connections recommended through Scart sockets (Audio-Video connections)





## Connections through the S-Video (picture) and RCA (sound) sockets





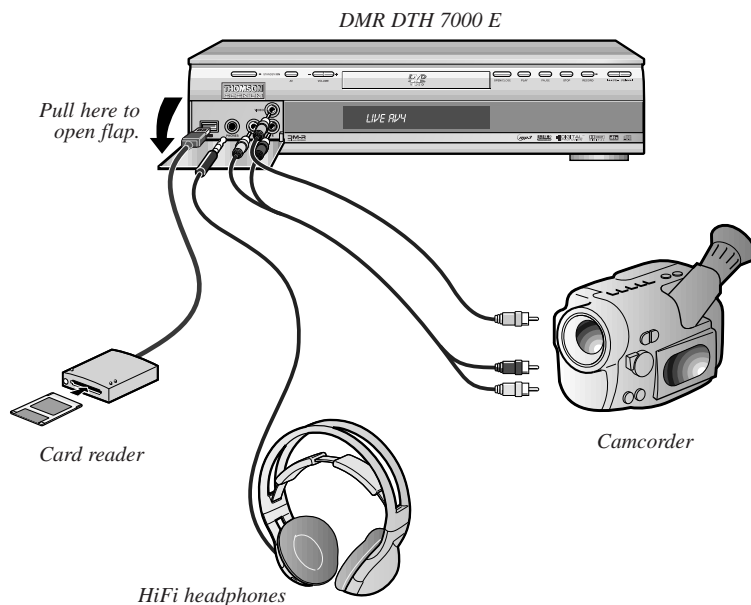
# Front connectors

Occasional use



The sockets located behind the flap on the front of your DMR allow easy connection for occasional use.

## File or video transfer to your DMR



- **USB:** The USB socket enables you to read and/or copy JPEG images from a memory card reader <sup>(1)</sup>, or MP3 files stored through a digital camera or MP3 recorder (➔ page 38).
- **PHONES:** To connect headphones and listen to the channel displayed, an audio CD, a DVD or MP3 files (Volume setting ➔ page 24).
- **AV:** Select the audiovisual sources (channels or sockets) by displaying **PR**, **AV1**, **AV2**, **AV3**, **AV4**, on the front panel.
- The **AUDIO-VIDEO** sockets make it easy to view or copy video clips.



### Recognised players

- **USB 1.1 MASS STORAGE CLASS.**

### Recognised cards

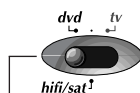
- All Compact Flash MMC and Smart Media cards up to 2 Gb can be read.

# Remote control

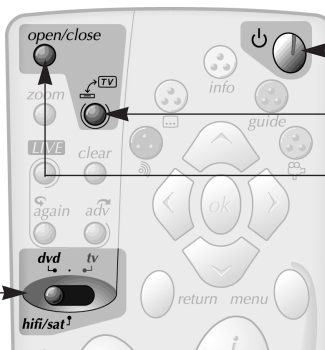
## Overview of main functions



Your DMR's remote control is a 3-in-1 device which enables you to control the operation of 3 units <sup>(1)</sup>: your DMR, a TV set, a HiFi system or a satellite receiver.



To control your DMR, place the function selector on the **dvd** position. For the other devices, you have to program the remote control to match the code of the device to be controlled (➔ page 52).

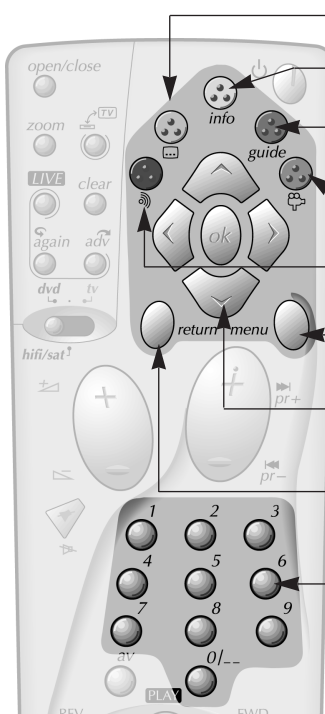


- To switch your machine on or off (stand-by).
- Transmission of DMR images to TV images (with certain TV sets) (➔ pages 40, 51, 52).
- To open or close the DMR's disc tray.



**Code A-B** - With certain devices (TV/DVD combo or other DVD player) the remote control of your DMR may control the DVD player of your TV/DVD combo. If such is the case, you can program the DMR's remote control and the DMR on another code. Refer to page 59 to change the code.

## Operation with information banners and menus



- To choose the subtitle language\* (➔ pages 29-47).
- To access the information banner (➔ pages 28-29).
- To access the NAVICLICK TV guide or DVD \* contents (➔ page 43).
- To access the selection of viewing angles on a DVD\* (➔ pages 29-33).
- To choose the dialogue language and audio format\* (➔ pages 29-47).
- To access the DMR menus (➔ page 26).
- To access the menus of the disc being played (➔ page 26).
- **Navigation keys** (➔ page 26):
  - Selects a function in a menu or banner,
  - **OK** key to validate a selection.
- Back to previous menu.
- To select chapters, titles and tracks from a banner, enter a time for counter access, choose a channel, etc.

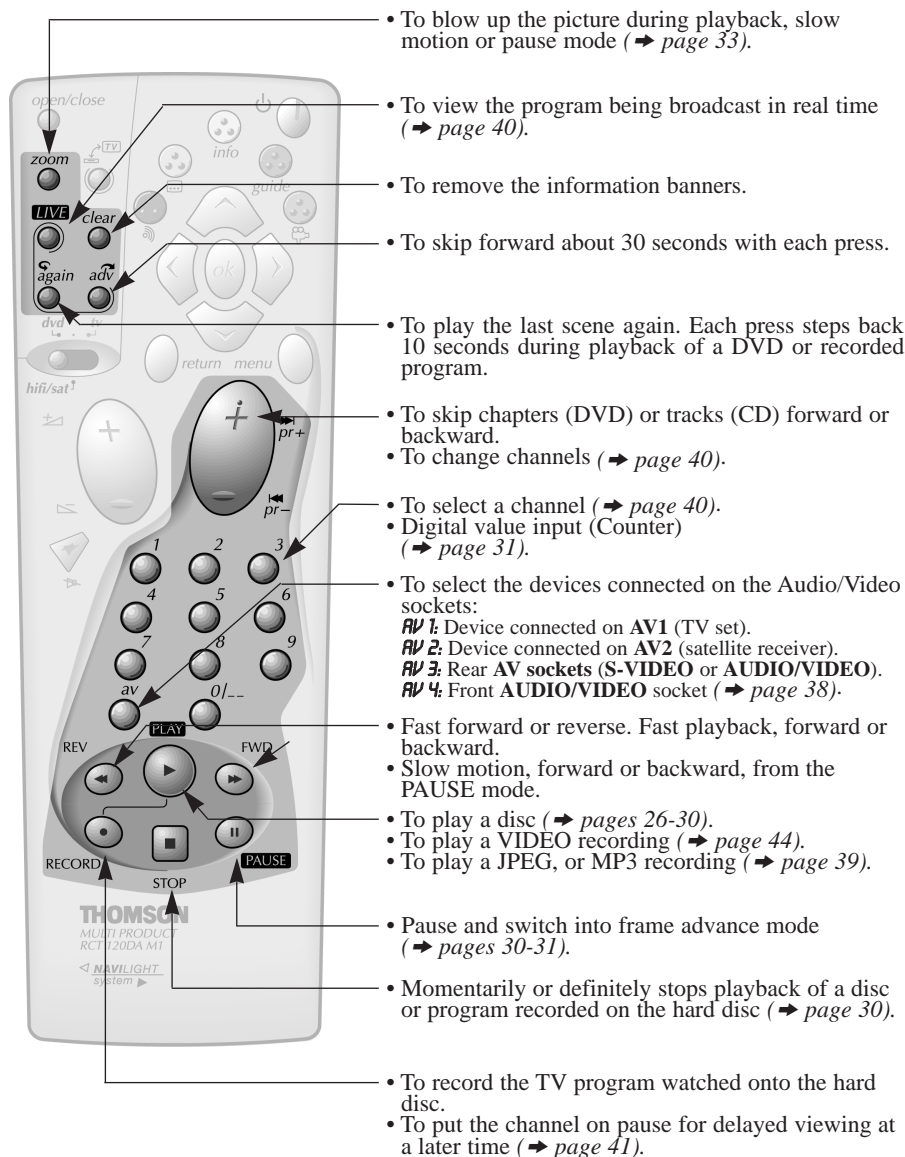


\* If available on the disc being played.

# Remote control

Overview of main functions

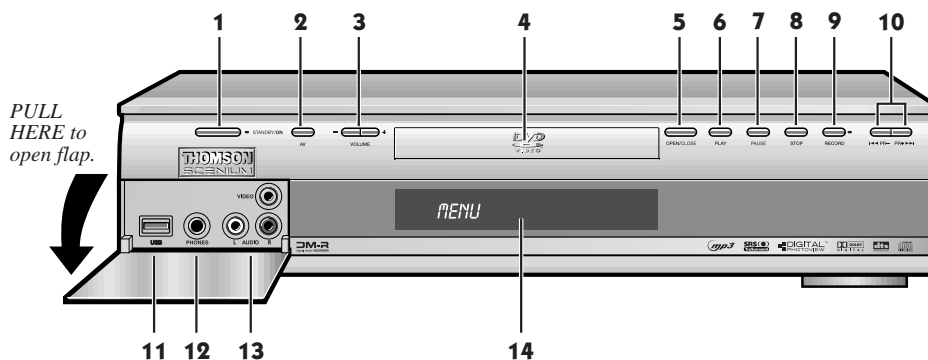
## Main functions



# Front panel

Operating principles

## The buttons on your DMR



- 1. STANDBY/ON:** To switch your DMR on or off.
- 2. AV:** To select the audiovisual sources (channels or devices connected to the AV sockets).  
**PR 1, 2, 3:** Channel 1, 2, 3.  
**AV 1:** Device connected on **AV1** (TV set).  
**AV 2:** Device connected on **AV2** (satellite receiver).  
**AV 3:** Rear **AV** sockets (**S-VIDEO** or **AUDIO/VIDEO**).  
**AV 4:** Front **AUDIO/VIDEO** socket.
- 3. VOLUME +/-:** To adjust the volume of headphones connected on **12**.
- 4.** Disc tray.
- 5. OPEN/CLOSE:** To open and close the disc tray.
- 6. PLAY:** To play a disc inserted in the DMR's disc tray (**4**) or resume viewing a program after a television pause.
- 7. PAUSE:** To pause on a still frame (DVD), for an audio pause (audio CD or MP3) or a television pause (TV PAUSE).
- 8. STOP:** To stop playback.
- 9. RECORD:** To start recording a TV program.
- 10. I◀◀ PR- / PR+ ▶▶I**  
 - Fast forward or reverse (➔ pages 30-31).  
 - To change channels (➔ page 40).
- 11. USB:** USB socket to connect a card reader (➔ page 21).
- 12. PHONES:** Headphone socket (➔ page 21).
- 13. Audio/Video** sockets: to connect a camcorder or other AV device.
- 14. Display panel:** Displays your DMR's modes of operation DMR (➔ page 25).

# Display panel

Operating principles

## TV Functions

MENU

Main menu displayed on screen (device stopped).

➔ No function selected.

LIVE PR 1

Real-time viewing.

➔ TV mode activated; channel 1 being watched.

PAUSE -00:38 ||

Pause of the channel being watched.

➔ TIME SHIFT mode activated: the program is frozen while the rest of the TV program continues to be recorded.

-00:39 ▶

Delayed viewing of the selected channel.

➔ After a pause, you resume viewing where you left off while the end of the program continues to be recorded; the time difference between delayed viewing and real-time broadcast is displayed (-39 seconds in this case).

LIVE PR1

Return to real-time viewing.

RECORD



Start of recording of TV program on selected channel.

LIVE PR1



Channel 1 currently being recorded.

## With a disc

0:00:01 ▶⌂

Start of disc playback.

001 0:00:07 ▶⌂

DVD playback.

▶⌂

Playback of an Audio CD or VCD.

0:00:38 || ⌂

Pause of Audio CD or still frame (DVD, VCD).

01 0:00:24 ◀▶⌂

Fast forward (▶) or reverse (◀).

01 0:00:24 ◀◻▶⌂

Slow motion, forward (◻▶) or backward (◀◻).

## Other indications

VOL 18

Indication of headphone volume: from 01 to 32.

GUIDE

TV guide displayed on screen.

LIVE RV3

Indication of the selected source:

- RV 2 or SAT (after installation of a satellite receiver)  
(➔ page 14 and following pages).
- RV 3: Rear AV sockets (S-VIDEO or AUDIO/VIDEO).
- RV 4: Front AUDIO/VIDEO sockets.



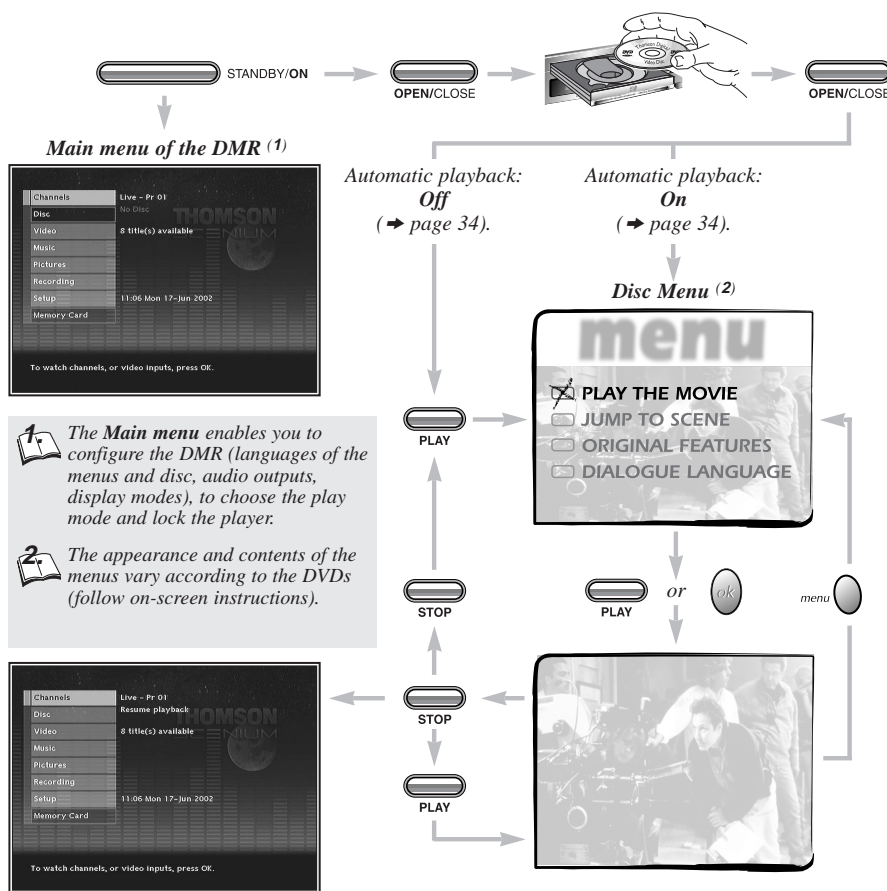


# How to use the menus

Operating principles



The basic functions of your DMR are accessible directly through the remote control or front panel buttons. Many functions are only accessible through menus displayed on your TV screen. This page shows you how to use these menus. The layout of your DMR's menus is shown on the next page.

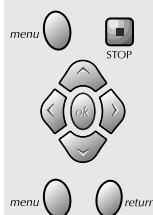


The Main menu enables you to configure the DMR (languages of the menus and disc, audio outputs, display modes), to choose the play mode and lock the player.



The appearance and contents of the menus vary according to the DVDs (follow on-screen instructions).

## Selecting menu functions and options using the remote control navigation keys



1. **Display** the menu by pressing the **menu** key (disc loaded = Disc Menu) or **STOP** key (= Main menu of the DMR).
2. **Select** a menu or function by pressing the **Navigation** key.
3. **Validate** your selection by pressing **ok**.
4. Change **Settings**, by pressing the **Navigation** keys.
5. **To exit** the menus, press **menu** or **go back** to the previous menu by pressing **return** (DMR Menu).

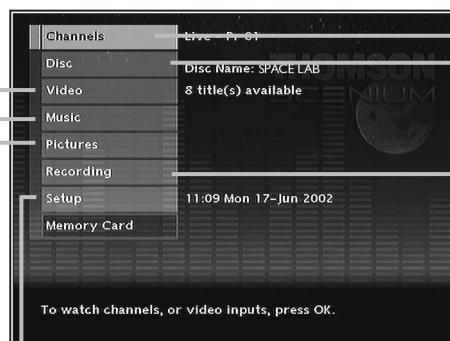
# Menu layout

Operating principles



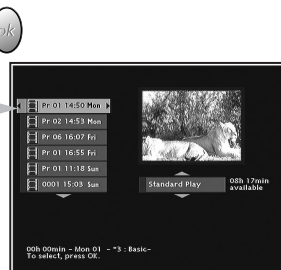
From the Main Menu, you access the various sub-menus of your DMR using the **Navigation** keys. Other menus are accessible through the sub-menus shown on this page.

## Main menu of the DMR



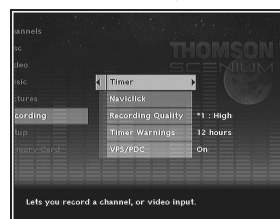
### Setup

To set-up the TV channels on your DMR, to access the child lock and configure your player (menu and disc languages, audio outputs, display modes, etc.).



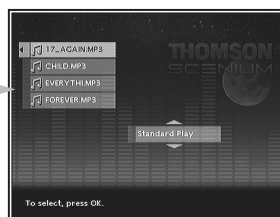
### Video

These menus give you access to the files (music and images) and video recordings stored on your DMR's hard disc. (→ pages 39, 44).



### Recording

To program recordings and configure the corresponding settings (→ page 45).



### Music



### Channels

To access your DMR's TV channels (→ page 40).

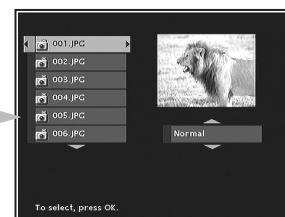


### Disc

To choose the disc options and play mode (→ page 34).



When a function or a sub-menu is not available, the corresponding **MENU** appears on a transparent background. Here, the **Memory Card** menu is not available since there is no memory card connected to the DMR's USB socket. (→ page 21).



### Pictures





# Interactive banners

Operating principles

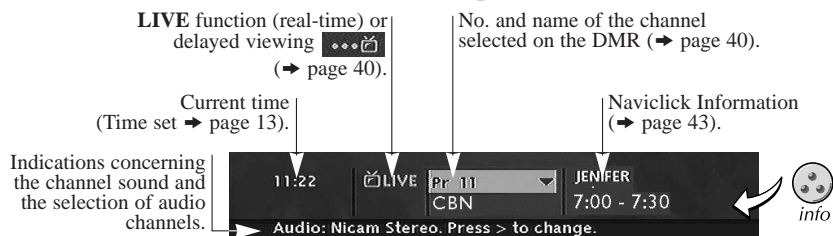


In addition to menus, your DMR has **interactive information banners** with icons representing functions or information. Some banners provide access to disc playback functions (for DVDs, CDs, VCDs, etc.) while others give you information on the channels and related functions (selection, pause, recording a program, etc.).

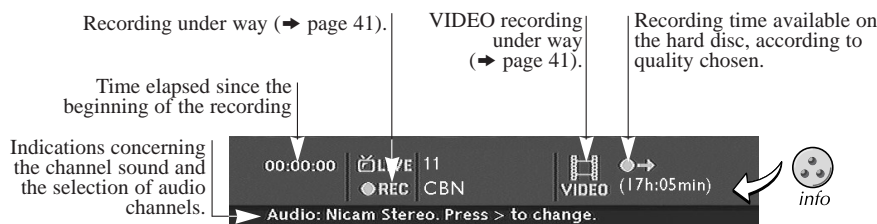
## In TELEVISION mode (Operating principle)

1. Turn on your TV set and your DMR.
2. In the **Main Menu** of your DMR, (**Channel** line selected) press **ok**. The picture of the last channel selected appears. An information banner is displayed along with the picture for a few seconds. To view it again, press the yellow **info**.

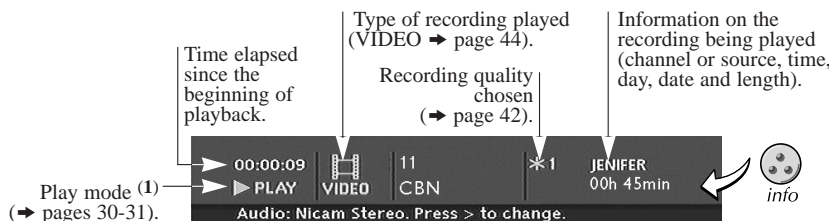
### Information on the TV channel being watched



### Recording the channel being watched (here, channel 11)



### Playback of a video program recorded on the DMR



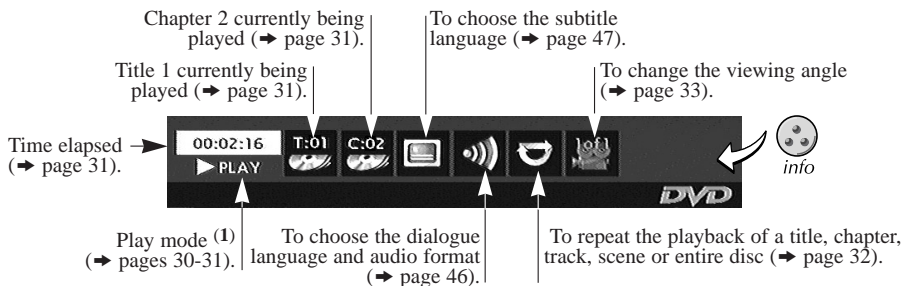




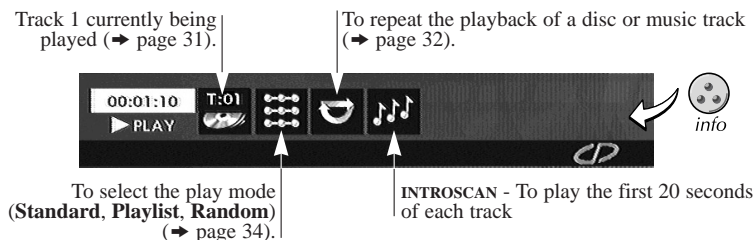
## In **DISC PLAYING** mode (Operating principle)

1. Load a disc and press **PLAY** to start playback.
2. To display the banner, press the yellow **info** key.
3. Choose an icon using the **Navigation** keys or enter a number using the number keys to access a chapter or a title (when the corresponding icon is selected).
4. To remove the banner, press the yellow **info** key or the **clear** key.

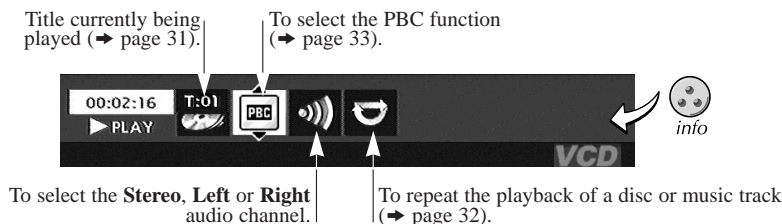
### With a DVD



### With an audio CD



### With a VCD (Video CD)



#### PLAY MODES (PLAY, PAUSE, REV, FWD buttons)

##### ► **PLAY** (Play)

Fast forward (► x3, x6...),  
or reverse (◄ -x3, -x6...).

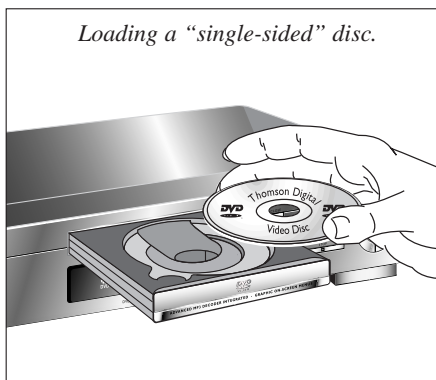
##### ▬ **PAUSE** (Pause)

Slow motion, forward (▬► 1/2, 1/6 ...),  
or backward (◄◄▬ -1/2, -1/6 ...).

# Basic functions

Player function

## Loading a disc



Loading a "single-sided" disc.

1. Open the DMR's disc tray by pressing the **OPEN / CLOSE** button.
2. Insert a disc. The disc label must face upwards (Audio CD, Video CD, single-sided DVD (1), etc.)
3. Close the disc tray by pressing the **OPEN / CLOSE** key.



Double-sided discs have a small label on both sides near the centre. With most DVDs, a disc-specific menu appears. In that case, follow the instructions.

## Playing a disc

Disc playback starts as soon as the tray is closed (if automatic playback was selected) (➔ page 34). If it doesn't start automatically, press **PLAY**.

- With a DVD, the disc menu appears. Press **ok** to start playback or select another option (4), in the disc menu using the **Navigation** keys. To validate your selection, press **ok**.
- With an audio CD or video CD, playback starts.

To access a specific CD track, DVD title or chapter, press the **info** key to display the Info banner (➔ page 29) or press **pr+**.

To stop playback momentarily (2) press **STOP** once. Press twice to stop it completely (3).



The DMR has memorised the last scene on the disc. If you now press **PLAY**: playback starts from this point. To erase **Resume memory**, press **STOP**.

Resume memory does not work with interactive discs (without elapsed play time information).



If the player is left in **STOP** mode for more than 2 minutes without any user interaction, a screen saver will be activated (fade in / fade out). After about 30 minutes have elapsed in **STOP** mode without user interaction, the player will be automatically switched off.



Depending on the DVDs, it may be possible to change the language during playback (➔ pages 46-47).

## Quick search of images or a track

In Play mode, start the Forward or Reverse fast motion playback (1) using the **FWD** or **REV** keys (2).



Press once or several times for higher speeds.



You can also use the DMR buttons.



In search mode, no sound is heard on DVDs.



## Player function



Some DVDs contain several titles. These titles correspond to films, documentaries or other programs. As a general rule, each title is divided into numbered chapters. Most DVDs have chapters only. On audio CDs, the music tracks can be accessed directly. Video CDs may also contain Indexes.

## Still picture and frame advance (DVD and Video CD)

Press once on **PAUSE** to put the device on pause <sup>(1)</sup>, and press repeatedly to view the images one frame at a time.



Video CDs and DVDs. If the DMR is left 5 minutes in pause mode, it will STOP.



## Slow motion (DVD and Video CD)

Press **PAUSE** then **FWD** or **REV** <sup>(1)</sup> to view one frame at a time either forward or backwards.



Press once or several times for higher speeds - 1/12 1/6 1/2.

## Direct access to a music track (Audio CD)

In Play mode, enter the number of the track that you want to hear using the remote control number keys. The Title icon (**T:01**) must be selected; this is the case when you have just downloaded an audio CD.

## Titles, chapters, time elapsed, audio and subtitles

From the banner, you can access certain functions directly using the **Navigation** keys. Choose a title or a chapter (DVD), or a track (CD, VIDEO CD). Change the language of DVD dialogues or subtitles.



For direct access to a specific scene on the disc, select the first icon with the **Navigation** keys. Enter the requested place in the scene (expressed in hour, minutes, seconds) with the remote control number keys. (enter **001205** to access a scene which is 12 minutes and 5 seconds away from the start of the disc (DVD) or track (VIDEO CD)).



With certain discs, direct access to a scene is not possible even if the time elapsed is shown on the banner.



This symbol is sometimes displayed. It indicates that the function is not available or that the key used is incorrect.



A question mark in the counter zone indicates an input error.



# Repeat playback

Player function



To repeat the playback of a title, chapter, track, scene, selected A-B segment (except on Video CDs) or entire disc. Your DMR enables you to mark your favourite DVD scenes or music tracks on audio CDs thanks to a marking function accessible through the banner.

## Repeat play



During disc playback, press the yellow **info** key to display the banner. Select the **Play Mode** icon in the banner using the **Navigation** keys. With the **Navigation** keys, select one of the following functions:

- **Standard**
- **Repeat Title**
- **Repeat A-B: Press OK to Set A.**
- **Press OK to Set B.**
- **Repeat Disc.**



• Repeat playback remains active as long as the disk is in the DMR, or as long as the DMR remains switched on.



• Repeat play only works with discs that show the elapsed time on the display.

• This may not work correctly with certain discs (Video CDs in PBC mode).

## Repeat playback of a scene between two points

1. Select the **Play Mode** play function and choose **A-B** with the **Navigation** keys.
2. Press **ok** to memorise the beginning of the scene you want to repeat.
3. Wait a few seconds before pressing again on **ok** to mark the end of the sequence to be repeated (point **B**).

To stop repeating the sequence, select **Standard** with the **Navigation** keys or press **STOP**.



• If during a fast forward or backward reading the **B** point is reached, the DMR will proceed at normal speed from the **A** point.



• If during a fast search the **A** point is reached, the DMR will start reading at normal speed from the **A** point.

• The **A-B** repeat mode will be cancelled if you press **STOP**, if the disc is ejected or if another repeat mode is selected.

# Zoom / Angle Video CD


Player function

## Zoom - (DVD / Video CD)

To blow up the picture (1.5x - 2x - 4x) during playback of a DVD, video sequence or JPEG images, press the **zoom** key on the remote control several times. When the image is blown up, you can move it using the **Navigation** keys. Press once more to return to normal size (1x).

## Camera angles (DVD)

On certain DVDs, scenes may be recorded under various angles (up to 9 viewing angles).

To view another angle, press the  key during playback. The information banner appears showing the angle. Use the **Navigation** keys to select another viewing angle and press **ok** to validate.



## Playback control menu (PBC) - (Video CD)

Some Video CDs <sup>(1)</sup> have scenes and information which can be selected interactively through an on-screen menu. This menu <sup>(2)</sup> appears when the disc is loaded.

Use the remote control number keys to select an item in the menu.

- Depending on the disc, the menu may extend over more than one screen. To see the other screens, use the **◀◀** / **▶▶** skip keys.
- Some discs displaying a menu at start up will automatically go in to play mode if nothing is changed on the menu after a certain period of time.

Press **PLAY** to start playback.

- To return from playback to the menu, press **return**.

Press **STOP** to stop playback and remove the menu.

- Complete stop is obtained by pressing **STOP** key twice.
- Even after the player has finished playing a programme, the disc may continue to rotate while the menu is displayed. When no further selections are to be played, press **STOP** to exit the menu.
- During playback, press yellow **info** key: info strip is displayed on-screen.

Pedigree dogs	
1	Collie
2	Terrier
3	Bobtail
4	Shepdog
5	Husky



*Video CD, version 2.0 with playback control (PBC). When the PBC function is present on the disc, "PBC" is printed on the disc jacket.*



*Some version-2 Video CDs with PBC may not have an on-screen menu. In that case, they function like version-1.1. video CDs or audio CDs.*



# Disc menu

Player function



*The Disc menu is only accessible if a disc has been loaded into the DMR. This menu enables you to customise certain settings or actions for disc playback.*

In the **MAIN MENU** select the **Disc**, line and press **ok** to validate.

## Start

*To start disc playback from the beginning.*

- Select **Start**, then press **ok** to validate.

## Screen Format - (DVD / Video CD)

*Depending on the format of the DVD being played, use the **Screen Format** function to choose the picture format which best suits the format of your TV screen <sup>(1)</sup> - letterbox format 16 x 9, or standard format 4 x 3. Also refer to the table on page 35.*

- With a letterbox format TV (16x9) select **16 x 9 wide screen**. Films in 16x9 will be fully displayed. Films in 4x3 will have vertical black bands on each side of the picture.
- With a 4x3 television, select **4 x 3 Letterbox** to take advantage of the pictures recorded in that format <sup>(2)</sup> or 16x9. Select **4 x 3 Standard** to take advantage of a 4x3 picture without distortion. For films in 16x9, the edges of the picture may extend beyond the edges of the screen.



*On certain DVDs, the picture format cannot be changed.*



*Horizontal black bands at the top and bottom of the screen.*

## Playlist (CD audio)

*Enables you to customise disc playback by setting the order of the sequences or music tracks.*

- Select **Playlist**, and follow on-screen instructions.

## Autoplay

- Select **Autoplay Yes**, if you want the disc to be played automatically once the DMR tray is closed.

## DVD Menu

*After a few moments, the menu of the DVD in the DMR is displayed.*

- Select **DVD Menu**, and press **ok** to access the disc menu.

## DVD Title







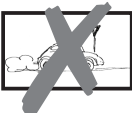




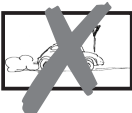












*Certain discs have title menus (DVDs may have more than one title and each title has a separate menu for that film or program).*

- Select **DVD Title**, and press **ok** to access the disc menu.



## Aspect ratios of the TV screen

Images which appear on the TV screen differ depending on the type of software and the TV set connected.

Picture format on the DVD disc.  	TV set connected to the DMR			
	 4:3	 16:9		
		"FULL" mode	"ZOOM" mode	"AUTO" mode
<b>For wide-screen (foreseen in Pan and Scan)</b> 	Right and left edges are cut off. <input checked="" type="checkbox"/> 	Full screen 	Top and bottom edges are cut off. 	Full screen <input checked="" type="checkbox"/> 
<b>For wide-screen (not in Pan and Scan)</b> 	Letterbox (with black bands at top and bottom). <input checked="" type="checkbox"/> 			
<b>(4x3)</b> 	Full screen <input checked="" type="checkbox"/> 	Full enlarged screen with few deformations. <input checked="" type="checkbox"/> 	Top and bottom edges are cut off. <input checked="" type="checkbox"/> 	Full screen (with black bands at left and right) <input checked="" type="checkbox"/> 
<b>(4:3, Letterbox)</b> 	Letterbox (with black bands at top and bottom) <input checked="" type="checkbox"/> 	Screen horizontally enlarged (with black bands at top and bottom) 	Full screen <input checked="" type="checkbox"/> 	Full screen <input checked="" type="checkbox"/> 

(☒ = Preferred setting)

- The images which appear on the TV screen, and what each screen mode is called, may differ depending on the TV set manufacturer or type. Consult the user's manual provided with your TV set.



# Displaying digital photos

Player function

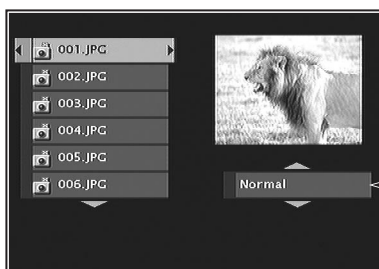


Your DMR can read CD-Rs containing JPEG files whose image size does not exceed 2.1 million pixels.

## Displaying image files in JPEG format

Open the disc tray and insert a disc containing JPEG images. Close the disc tray. The disc contents may or may not appear, depending on the play mode selected (automatic or manual → page 34). If it does not appear, press the **PLAY** button. Use the **Navigation** keys to select an image or folder (if any) and press **ok** to validate.

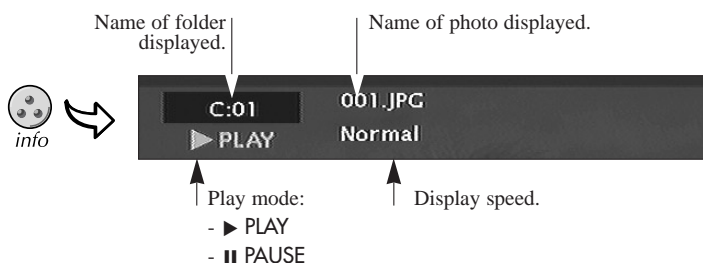
Choose a play mode <sup>(1)</sup>. Press the **PLAY** button to start the image display. The slide show will start. The speed at which each image is displayed depends on the size of the corresponding JPEG file and the play mode selected. It can take a little while. Press the **PAUSE** key to pause the image display. To step forward or backward, press **pr+/pr-**. To stop the image display press the **STOP** key. To exit the disc contents, press the **menu** key.



### Play Mode:

- **Fast:** the image remains on screen for about 10 seconds before the next image appears,
- **Normal:** approximately 15 seconds between images,
- **Slow:** approximately 30 seconds between images,
- **Resume:** to resume the slide show after a pause.

During the slide show, press the yellow **info** key to display an information banner.



If the image appears upside-down or sideways, press **PAUSE** then use the **<>** keys to display the image the right way up.

If JPEG or MP3 files are recorded on the disc or the disc is a Video CD containing JPEG image files, a contextual menu is displayed.





# Playing audio files

Player function



Your DMR can play CD-Rs containing audio files in MP3 format.

## What's MP3?

MP3 is the audio **file format** allowing you to easily compress music recordings, and was **co-developed** by **THOMSON**. The main advantage of MP3 is that it enables storage of CD-quality music tracks on a home computer in manageable, compressed files. Thanks to compression you now only need about 4 Mb of disc space for a 4 minute music track, compared with some 40 Mb for conventional file formats, but with almost no reduction in listening quality!



## Playing audio files in MP3 format

- Open the disc tray and insert a disc containing music in MP3 format.
- Close the disc tray. The disc contents may or may not appear, depending on the play mode chosen (automatic or manual).
- If it does not appear, press the **PLAY** button.
- Use the remote control **Navigation** keys to select your album, song and play mode <sup>(1)</sup>.
- Press the **PLAY** key to start playback.
- Use the **pr+/pr-** keys to skip from one song to another. Press the **PAUSE** key to interrupt playback.
- To stop playback, press the **STOP** key. To exit the disc contents, press the **menu** key.
- A disc may contain several albums (folders) and each album may contain several songs (files). (Just like the titles and chapters on a DVD.)



Play modes:

- **Standard Play:** to hear the selected song.
- **Random All:** to listen to the songs on the disc in random order.
- **Random:** to listen to the songs in the selected folder (album) in random order.
- **Repeat:** to repeat the playback of the selected songs or folders (albums).



• **Resume:** your DMR chooses the order in which the files are played.



# Recording (music and images)

Recording functions

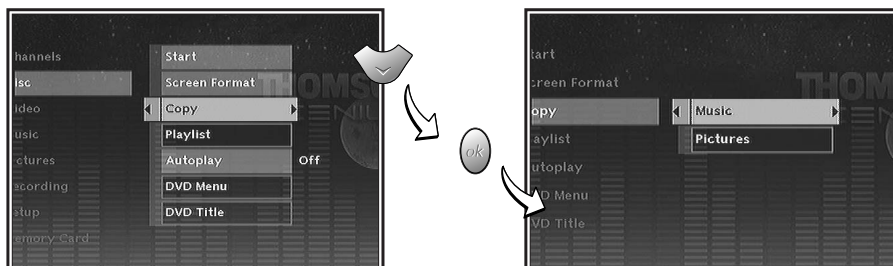


Your DMR enables you to copy JPEG images and MP3 files to your hard disc. You can record those files from a CD-ROM or memory card read in a device connected to the USB socket at the front of your DMR. All files present on the CD-R or memory card will be recorded on your DMR's hard disc. You can then rename them and/or delete any of them (Managing your recordings ➔ page 45). During recording, you cannot use the other functions of your DMR.

## Recording from a CD

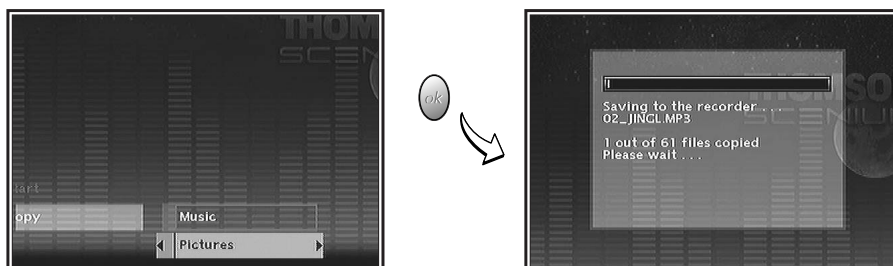
Insert the CD to be copied (music MP3 or JPEG images) in the DMR, then display the **Main Menu** (press **STOP** or **menu**). In the **Disc** menu, select **Copy** and choose **Music** to copy MP3 files or JPEG **Pictures** files.

⇒ A progress window will appear. Follow on-screen instructions. Recording can take a certain amount of time, depending on the number of files to be copied.



## Recording from a memory card

Refer to page 21 for the connection of a compatible card reader on the USB socket at the front of your DMR. Insert the memory card to be copied. In the **MAIN MENU**, select the **Memory Card** (1) line and press **OK** to validate. Select **Start** to read the contents of the card or **Copy** to copy its contents onto the hard disc. Press **OK** to validate. Select **Pictures** or **Music** depending on the type of files to be copied and press **OK** to validate.



⇒ The contents of the card is then recorded onto your DMR's hard disc. Recording can take a certain amount of time, depending on the number of JPEG or MP3 files to be copied.



If the **Memory Card** line remains transparent, this means that the reader has not been recognised by your DMR. In such a case, turn your DMR off then back on. Also refer to the list of compatible models on page 21.



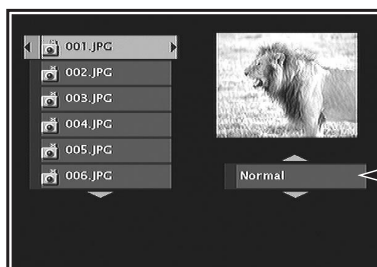
# IMAGES and MUSIC menus

Playing the recordings

## PICTURES Menu

*This menu gives you access to the JPEG images that you copied from a CD-R or memory card read in an external reader connected to the USB socket on the front of your DMR.*

In the **Main Menu** select the **Pictures** line and press **ok** to confirm.



### Play Mode:

- **Fast:** the image remains on screen for about 10 seconds before the next image appears,
- **Normal:** approximately 15 seconds between images,
- **Slow:** approximately 30 seconds between images,
- **Resume:** to resume the slide show after a pause.



The menu which appears displays the images or folders in which your images are stored. The image selected appears as a thumbnail. Use the remote control **Navigation** keys to select a folder or image. Choose a play mode <sup>(1)</sup>, **Normal**, **Slow**, **Fast**, or an action such as **Resume** (to customise the names of the folders and images) (→ page 45), **Delete** (to delete a folder or image) (→ page 45). Press **ok** to validate.

⇒ The slide show starts, the images appear one after the other.

During the display of the images, press the yellow **info** key if you want to display an information banner.

## MUSIC Menu (JUKEBOX function)

*This menu gives you access to the MP3 Audio recordings copied from a CD-R or memory card read in an external reader connected to the USB socket on the front of your DMR.*

In the **Main Menu** select the **Music** line and press **ok** to confirm.



### Play modes:

- **Standard Play:** to hear the selected song.
- **Random All:** to listen to the songs on the disc in random order.
- **Random:** to listen to the songs in the selected folder (album) in random order.
- **Repeat:** to repeat the playback of the selected songs or folders (albums).

The menu which appears displays the titles of the recordings or folders in which your MP3 recordings are stored. Use the remote control **Navigation** keys to select a folder or song. Choose a play mode <sup>(1)</sup>, or an action such as **Resume** (to customise the names of the folders and recordings) (→ page 45), **Delete** (to delete a folder or recording) (→ page 45). Press **ok** to start playback.



# Your DMR in TV mode

TV Function

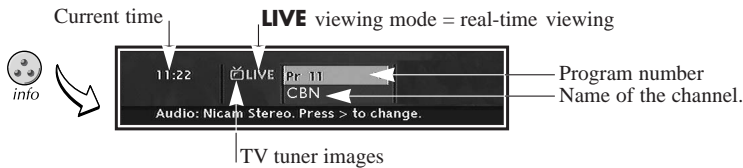


To take full advantage of the TV functions and TV program recording features, your DMR must be used as if it were at the centre of your TV setup. The connection shown on page 8 will allow you to do this. Consider your DMR as a television set without a screen and your TV set as a screen only. The channels will therefore have to be selected from the DMR and its remote control.

## Choosing TV channels

In the **Main Menu** select **Channels** and press **ok** to validate.

⇒ The last channel watched appears along with an information banner which disappears a few seconds later. To display it again, press the yellow **info** key.



With some TVs, video from your DMR takes priority and is displayed on the screen. In this case, you can no longer change channels on the TV, either by using your DMR's remote control unit set to the TV position (by pressing the **TV** key) or by using the TV's remote control unit. You can therefore no longer record one channel's programmes on the hard disk of your DMR while watching another channel on the TV (→ page 51 - **AV1 output**).

## Putting the television on pause (PAUSE LIVE TV)

Your DMR allows you to answer the phone without missing a single moment of the TV program you were watching. All you have to do is press **PAUSE**.

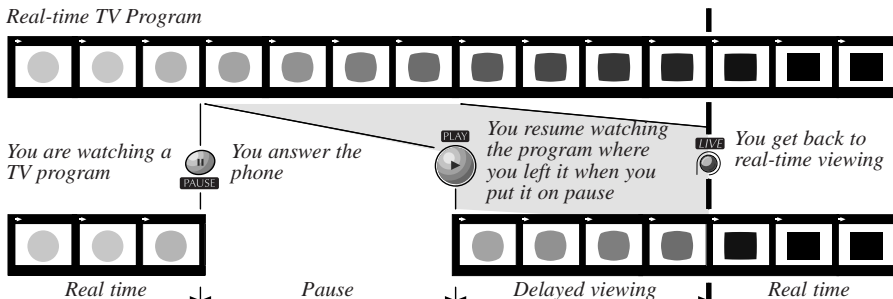
⇒ The program is frozen. You have 45 minutes of program recording at your disposal. After that time, the recording continues but the first minutes will be erased to make room for the subsequent minutes.

To resume watching the program where you had left off, press **PLAY**.

⇒ From that moment, the program is watched in delayed viewing. To watch the program in real time, press **LIVE**.

**Example:**

Real-time TV Program



Once you have activated the **PAUSE LIVE TV** mode, you cannot change channels since the recording of a TV program onto the hard disk does not allow the change of channels.



## TV Function

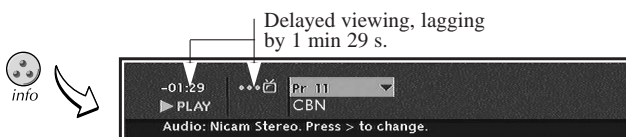


Your DMR has the same recording functions as a VCR. Only the recording medium is different (a hard disc instead of a video cassette). The capacity of your hard disc depends on the quality you set for your recordings. Refer to page 45.

## Replaying what you missed

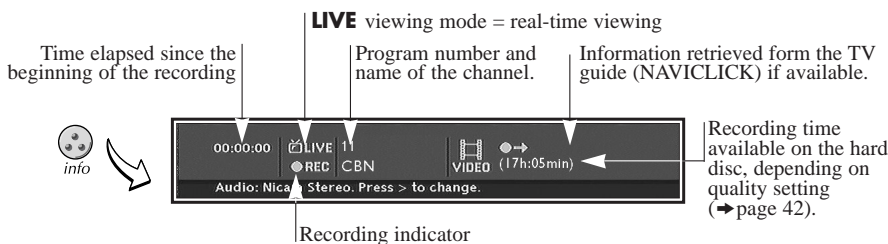
When you watch a TV program in real time, you can at any time go back a few minutes to replay a scene. This is made possible because the program you are watching in real time is constantly being recorded in buffer memory which records up to 45 minutes.

To select and replay the scenes you want to see again, use the **REV**, **FWD**, **PLAY**, **PAUSE** and **STOP** keys.



## Recording the current program

To record the program you are watching, press **RECORD**. Recording is confirmed by the message **RECORD** which appears for a few seconds on the DMR's display panel. An information banner is also displayed along with the picture for a few seconds. To display it again, press the yellow **info** key.



- Once you press **RECORD** to start a recording, you can no longer change channels.
- To see your program recordings, refer to the **VIDEO** menu on page 44.

## Stopping the recording.

Press **STOP** to stop the recording.

⇒ A confirmation menu appears. Follow the instructions.



To avoid recording images that are of no interest to you, select the temporary stop using the Navigation keys, (this is useful when copying images from a camcorder). Press ok to resume the recording. Select the complete stop to fully stop the recording.

In all cases, follow on-screen instructions.



# Programming a TV recording

Recording functions



Like a VCR, your DMR allows you to program recordings. You can do this through either of your DMR's two programming systems: the programmer or the NAVICLICK TV guide.

## Recording with the programmer

In the **Main Menu**, select the **Recording**, menu and press **ok** to access the **Timer** menu. Select the **New** line and press **ok** to validate.

⇒ The programming menu appears.



Your DMR has a programming monitoring system. You can set this system for 12 hours, 24 hours or 3 days. If the programming of two recordings overlaps, a warning message will be displayed.

With the **navigation** keys, select one of the following functions:

**Name:** Give your programming a name (follow on-screen instructions).

**Channel:** Enter the channel number using the **number** keys (or **pr+/pr-**) or select one of the **AV** sockets on which a device is connected, if you want to record a satellite or encoded program.

**Day(s):** Enter the date if the recording is planned for another day.

**Time:** Enter the program starting and finishing time.

**Recording Quality**<sup>(1)</sup>: Select **High** (\*1), **Normal** (\*2), or **Basic** (\*3).

**VPS/PDC:** Select **On** to start the recording at the actual time of the start of the program (if the channel broadcasts VPS/PDC signals).

Select **Keep** and press **ok** to save the programming.

To exit the menus, press **return**.



### Recording quality

You can set the quality of your recordings. The better the quality, the more space it takes on your hard disc. Choose one of the following options: **High**, **Normal**, or **Basic**.



When empty, your DMR's hard disc can contain up to 36 hours of recordings on a **Basic** setting (\*3).

# **TV guide (NAVIClick)**

Recording functions



The Naviclick function allows the storage of the TV guide broadcast by certain channels. This guide is updated every 24 hours through Teletext (electronic text information) or NexTVView. NAVIClick provides on-screen display of the TV guide of the channels that broadcast them and allows you to choose the programs you want to record just by clicking on them.

## Consulting the TV guide with NAVIClick

1. When you are watching a channel, press the **guide** key to display the **NAVIClick**<sup>(1)</sup> page.
  2. Use the **Navigation** keys (◀, ▶) to go from one page to another (from one channel to another) or to browse through the current channel's list of programs (▲, ▼).
- ⇒ To consult the programs of the channels at a given time, choose a program from the list (e.g.: 9 o'clock news) and use the (◀, ▶) keys to move on to the programs of the other channels.



## Recording through the NAVIClick TV guide

1. Select a channel on your DMR.
  2. Press the **guide** key and wait for the **NAVIClick** page to appear.
  3. Use the **navigation** keys to place yourself on the program you want to record. To go from one channel to another, use the **pr+/pr-** keys or (◀, ▶) keys.
  4. Press **ok** to confirm your selection.
- ⇒ The programming contents appears. It tells you which recordings have already been programmed. For more details on each programmed recording, use the **Navigation** keys to select the one which interests you and press **ok** to validate. The **Timer** menu appears with all the programming parameters. You can correct this data then select **Keep** to validate the programming. Press **clear** to remove the on-screen information.
5. You can turn off your DMR or leave it switched on. In that case, the DMR will automatically switch to the channel to be recorded at the time of recording. (see message a few minutes beforehand).



<sup>1</sup> The TV guide can only be consulted as of the day following the initial installation. Your DMR needs time to download the guide from the teletext at the time set in the **Naviclick Setup** menu (→ page 54).



<sup>2</sup> For correct downloading of the TV guide, the clock of your DMR must be properly set (→ page 13). If the clock is wrong, display of the TV guide takes longer and doesn't allow you to change channels.



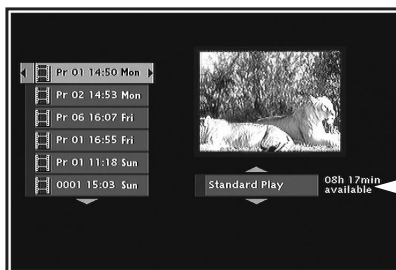
# VIDEO menu

*Playing the recordings*



*This menu gives you access to all the recordings you made from TV channels or devices connected to your DMR's front or rear AV sockets.*

In the **Main Menu**, select the **Video** line and press **ok** to confirm.



*Time remaining on the hard disc for other recordings.*

The menu which appears displays the list of recordings (up to 6 titles) along with the name of the program (Pr1, Pr2, etc.), the time and day of the recording. A window enables you to view the sequence selected from that list.

To choose a title, use the **navigation** keys, then press **ok**. The function line is selected. Choose a play mode using the (**<**, **>**) keys.

**Standard Play** to start playback of the title.

**Resume** to resume playback of the title after a pause.

**Repeat Title** to repeat playback of the title.

**Delete Title** to delete the title from the hard disc.

**Rename Title** to customise the names of the video titles (→ page 45).

Press **ok** to confirm your selection. If you have selected **Standard Play**, **Resume**, **Repeat Title**, playback starts, the thumbnail picture appears full screen.



When playing the video recording, use the various scroll keys (**PLAY**, **PAUSE**, **REV**, **FWD**, and **STOP**) as you would on a VCR.





# Managing your recordings

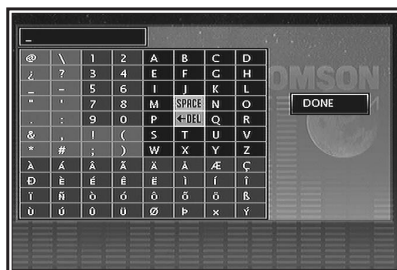
Playing the recordings



You can customise your recordings by giving a name to your video sequences, JPEG images and MP3 files saved on your DMR's hard disc.

## Renaming the recordings

From the **Rename** function in the **Video**, **Pictures** or **Music**, menus, press **ok** to access the character grid.



With the **Navigation** keys:

- Enter the name by selecting the letters one by one. Press **ok** to validate.
- To erase a letter, press **DEL**. Press **ok** to validate.
- To add a space, select **SPACE**. Press **ok** to validate.
- When the name suits you, select **Done**. Press **ok** to validate.

To exit the menu, press **return**, **clear** or press **PLAY** to resume playback.



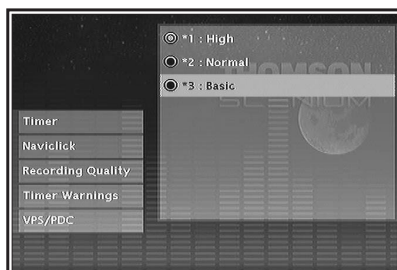
## Deleting recordings

From the **Delete Title** function in the **Video**, **Pictures** or **Music**, menus, press **ok** to delete a recording. Confirm in the next window by selecting **Yes**. The title disappears from the list. Press **menu** to return to the main menu.

## Choosing the quality of your recordings

Your DMR can record up to 40 hours of TV programs or video sequences from a connected device. This capacity depends on the quality setting chosen in the **Recording Quality** menu.

In the **Main Menu**, select the **Recording** line and press **ok** to validate. Select **Recording Quality** and press **ok** to validate.



### Recording Quality

- \*1: High** - Allows you to record 10 hours.
- \*2: Normal** - Allows you to record 20 hours.
- \*3: Basic** - Allows you to record 36 hours.

- Times are approximate. They also depend on the other JPEG or MP3 recordings already present on the hard disc.



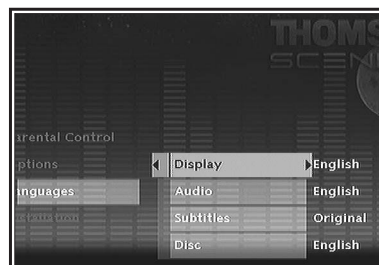
# Preferred languages

Player function



Your DMR gives you a selection of languages to choose from. You can change the language of the DMR menus, the language of the disc menus, the language of the dialogues and that of the subtitles. In the menu, choose your preferred language for dialogues and subtitles. If it is available on the DVD you will be playing, it will be selected automatically. The default language is the one which is selected in the main menu. During playback, you can display or remove the subtitles and change the language of the subtitles using the banners.

In the **Main Menu**, select the **Setup** menu and press **ok** to access the **Languages** menu.



## Display (Language of DMR menus)

The language of the DMR menus was determined upon installation (➔ page 5). You can nevertheless change it by following the procedure given on this page.

## Audio - Language of DVD dialogues

Some discs offer a selection of languages for the dialogues. The default language is the one you selected during installation (➔ page 5) or the one you set according to the instructions on the previous page, provided this language is available on the disc being played. To change the language of the dialogues, your player offers you two possibilities <sup>(1)</sup>:

### From the DMR menu

Using the **Navigation** keys, select **Audio** to access the list of languages available <sup>(2)</sup>.

### From the banner



During **PLAYBACK** display the banner using the **info** key and select the **Audio** icon with the **Navigation** keys. Choose one of the languages available on the disc.



<sup>1</sup> With DVDs which have a DVD menu, we recommend that you use the disc menus rather than the DMR menu.

You can also change the language of the dialogues and subtitles (if they are available on the disc). During playback, display the disc menu using the **menu** key. Then use the navigation keys.



<sup>2</sup> If the language chosen is also available on the DVD, it will be selected as the dialogue language. If it is not available, the preferred disc language will be selected.

**Original** corresponds to the original soundtrack language of the film on the disc.



## Subtitles - Language of DVD subtitles

Some discs offer a selection of subtitle languages. The default language is the one you selected during installation (➔ page 5) or the one you set according to the instructions on the previous page, provided this language is available on the disc being played. To change the language of the subtitles, your player offers you two possibilities <sup>(1)</sup>:

With DVDs which have a DVD menu, we recommend that you use the disc menus rather than the DMR menu.



### From the DMR menu

Using the **Navigation** keys, select **Subtitles** to access the list of languages available <sup>(2)</sup>.

### From the banner



During **PLAYBACK** display the banner using the **info** key and select the **Subtitles** icon with the **Navigation** keys. Choose one of the languages available on the disc.



- If you choose the “**Automatic**” option, the preferred language used for sub-titles will be the one you chose for the dialogues (see above). Because of that, if the preferred language for dialogues is not available, while sub-titles are available in this language, these sub-titles will automatically appear on-screen.

## Disc (Language of DVD menus)

The preferred language of disc menus was determined upon installation (➔ page 5). If the DVD you are watching doesn't offer that language, the default language chosen by the publisher will be proposed to you.



- If you chose “**English**” during the initial setting (carried out on page 5):
  - the main menu, in English,
  - the menus of the disc, in English (if available),
  - the language of the dialogues, in English (if available).



- If there is no English on the disc for menus, dialogues, and / or subtitles, the player selects the default language of the disc.

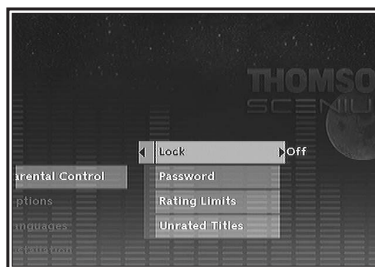
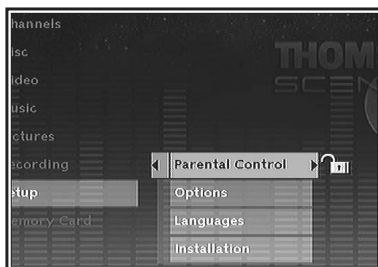
## Child (lock)

Player function



Your DMR has a child lock function which enables you to restrict access to certain DVDs. The discs whose content may be deemed unsuitable for your children will therefore not be visible unless a code that you have previously chosen is entered.

In the **Main Menu** display the **Setup** menu. The **Parental Control**, line is already selected. Press **ok** to validate.



The padlock tells you whether or not the DMR is locked.



**Locked:** you must enter the secret code to play the discs whose rating limits exceed the limit you have allocated.



**Unlocked:** you don't need the secret code to play the discs, even if you have set a rating limit.

Your DMR is delivered in the **unlocked**, position without any rating limit. If you want to use the child lock function, you have to set a rating limit and position the **Lock**, function on **On**.

## DVD – Locking the DMR

1. The **Lock** line is already selected. Press **ok** to validate.
  2. Select **On**, press **ok**, to validate, then press the **return** key.  
⇒ If no secret code has been chosen, your DMR asks you to choose one.
  3. Enter four digits <sup>(1)</sup> using the remote control **number** keys, then press **ok** to validate.
  4. The first time, you are requested to confirm the code. Repeat the operation.
- To disable the lock, select the **Lock** line, then **Off**, and press **ok** to validate.

## Changing the secret code

To change the secret code, select the **Password** line and press **ok** to validate. Enter your new 4-digit code. Enter it once more to confirm.



Choose a four-digit number that you will be able to remember easily or note it down.

--	--	--	--



If you've forgotten your secret code, consult the Troubleshooting guide at the end of this manual ( ➔ page 57).



# Rating limits

Player function



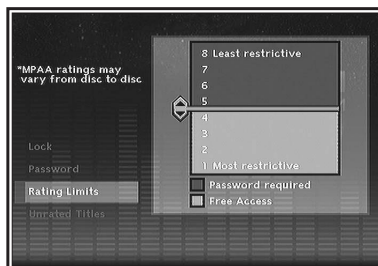
The **Rating limits** function enables you to control the type of discs that your children can watch. If certain discs contain information or scenes that exceed the rating limit you've set, they will not be played. There are 8 ratings ranging from 1 to 8. Level 1 is the least restrictive.

In the **Main Menu**, then the **Setup** menu, select **parental Control**, and press **ok** to validate. If the DMR is locked (padlock closed) you will have to enter the code chosen in step 2 on page 48.



## DVD - Rating limits <sup>(1)</sup>

Choose the rating limit: select **Rating limits** and press **ok** to validate. Select the rating with the **Navigation** keys then press twice on **return**. The child lock is now enabled: the padlock is closed and the accompanying number corresponds to the rating chosen.



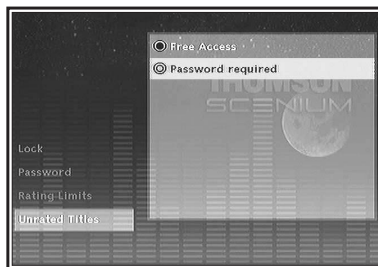
*This function is only available on DVDs for which the publisher has set a rating limit. It therefore depends on the disc.*



*In Europe, very few discs have rating limits.*

## Unrated titles

Unrated titles (without a rating limit) may all be freely accessible or require a secret code: select **Unrated titles** and press **ok** to validate. Select **Free Access** or **Password required** then press **ok** to validate.





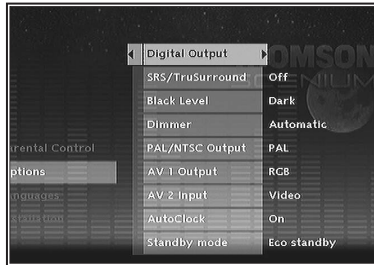
# The OPTIONS menu

Settings



The **Options** menu in the **Setup** menu offers you settings to configure certain useful functions and optimise the performances of your DMR to match those of the devices connected to it.

In the **Main Menu**, then the **Setup** menu, select the **Options**, line and press **ok** to validate.



## Digital audio output setting

Depending on the amplifier or television (with or without integrated decoder) connected to your DVD player, you will need to set the DIGITAL AUDIO OUT sockets (coaxial or optical) so that they deliver the Dolby Digital <sup>(1)</sup> or DTS <sup>(2)</sup> digital signals supported by the other device <sup>(3)</sup>. Tick **Dolby Digital** or **DTS** if the amplifier or TV set has a Dolby Digital or DTS decoder (or both, depending on devices).

## SRS - TruSurround <sup>(4)</sup>

This function provides you with virtual reproduction of the multichannel sound of a Dolby or DTS film onto the two channels of your TV or stereo amplifier. The sound effects of a 5.1 system are then simulated.



**Dolby Digital** is a sound compression technique elaborated by Dolby Laboratories for digital audio multichannel signals. The Dolby Digital system enables any audio channel configuration, from a stereo sound (2 channels) up to the digital "surround" sound 5.1.

«Dolby Digital» and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories Inc. All rights reserved.



**DTS** is a digital sound compression technique developed by **Digital Theater Sound Systems** for digital audio multichannel signals.

"DTS" and "DTS Digital Out" are registered trademarks of **Digital Theater Systems inc.**



### PCM

If the device connected to the DIGITAL AUDIO OUT sockets does not support Dolby or DTS signals, your player will deliver PCM (Pulse Code Modulation) signals. In that case, neither Dolby Digital, nor DTS must be ticked. The linear PCM is a signal recording format used for CDs. CDs are recorded in 44.1kHz / 16bits. DVDs are recorded in 48kHz / 16 bits, or even up to 96kHz / 24 bits.



**SRS TruSurround** is a trademark of **SRS Labs, Inc.** **TruSurround™** technology is incorporated under license agreement from **SRS Labs, Inc.**



## Black level

Adjust the contrast (**Light** / **Dark**) according to the brightness of the room in which you are viewing your DMR images.

## Display panel brightness

Depending on the brightness of the room where you've installed your DMR, select one of the 3 available settings (**Automatic** / **Bright** / **Dim**) to adapt the brightness of the display panel to suit its environment.



## PAL or NTSC output

If the images of the DVD being played appear in black and white on your TV screen, the standard of the video signals transmitted to your TV is incorrect. Change the video signal from **PAL** to **NTSC** <sup>(1)</sup> or vice versa.



***PAL** is the name of the colour coding system used in most European countries. **NTSC** is the name of the colour coding system used in the United States and some other countries.*

## AV1 output

Choose the **RGB**, **S-Video** or **Video** <sup>(2)</sup> signal, depending on the device connected to the AV1 Scart socket (usually TV sets). If you don't know which type of signal is accepted by your TV <sup>(3)</sup> set, try each setting to get the best result.



***Transmission of DMR images to TV images (with certain TV sets)***

*If you want to watch one channel while recording programmes on another channel, you must change the AV1 output connection setting by selecting **Video** instead of **RGB** in the Options menu.*

## AV2 Input

Choose the **RGB**, **S-Video** or **Video** <sup>(2)</sup> signal, depending on the device connected to the AV2 Scart socket (usually a satellite receiver). If you don't know which type of signal is accepted by your TV set, try each setting to get the best result.



***Format of image signals:***

***RGB:** Red - Green - Blue*

***S-Video:** S-VHS (Y/C), signals with separate colour components and brightness.*

***Video:** CVBS, composite video signals.*

## Auto Clock

This function automatically sets the time of your DMR's internal clock. The correct time setting of your DMR is important for the proper operation of your programmed recordings and for optimum downloading of the **NAVICLICK** TV guide. Check that **AutoClock** is on the **On** position.

## Stand-by mode

Your DMR has an **Eco Standby** to reduce its power consumption when on stand-by. Select **On** to enable this function.



*The **Eco** function does not allow the display of programming warning messages on the display panel. Only the record icon will flash.*

# Universal remote control

Appendix



The remote control supplied with your DMR enables you to control other devices such as a TV set, a satellite receiver or a hifi system. To do this, you must program your remote control using one of the 3-digit codes given at the end of this manual.

## Programming the remote control

1. Look for the 3-digit code number(s) that correspond(s) to your device in the list of makes below (Circle the code(s) with a pencil, for instance).

2. Place the selector on the position of the device to be controlled.



The **hifi/sat** position enables you to control either a hifi system or a satellite receiver.

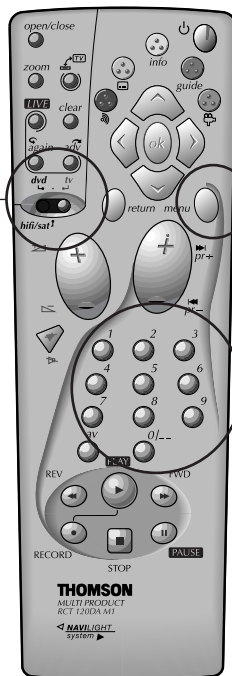
3. While holding down the **menu** enter the 3-digit code with the **number** keys.

### Examples

BRANDT	.....000,001,010,020
FERGUSON	..001,003,004,000,010,020
NORDMENDE	.....001,010,020,000
SABA	.....000,001,005,010,019,020
TELEFUNKEN	..000,001,002,010,020
THOMSON	.....000,001,002,010,020

Other codes at the end of the manual.

4. Release down **menu** key.
  - Try to operate the equipment by switching it on/off with the **power** key.
  - If it does not work, repeat from step 2 with another 3-digit code.



Not all TV can be operated with this universal remote control.  
Try to find the most efficient code for your brand (for brands with several codes).



Try out which functions you can control with the remote control.  
If you have replaced the batteries of the remote control, perform the remote control set-up again.

## About the TV/DMR key

With some TVs, video from your DMR takes priority and is displayed on the screen. In this case, you can no longer change channels on the TV, either by using your DMR's remote control unit set to the TV position (by pressing the **TV** key) or by using the TV's remote control unit. You can therefore no longer record one channel's programmes on the hard disk of your DMR while watching another channel on the TV. If you want to watch one channel while recording programmes on another channel, you must change the AV1 output connection setting by selecting Video instead of RGB in the Options menu. See pages 50 and 51 of your user manual for details of how to change the AV1 output connection setting.





# Controlling the other devices

Appendix



TV	Satellite Receiver	Hi-fi system or amplifier
<div><div><div>dvd</div><div>tv</div></div><div></div><div>hifi/sat†</div></div> <div>Set the switch to <b>tv</b></div>	<div><div><div>dvd</div><div>tv</div></div><div></div><div>hifi/sat†</div></div> <div>Set the switch to <b>hifi/sat</b></div>	
Standby / On		
<div>To display the menu</div> <div>Horizontal and vertical scrolling through the menus and validation of an action</div> <div>Exit the menus</div>	<div>-</div>	
<div>Direct access to the programmes or enter the numeric values</div> <div>To change channels</div> <div>Select the AV input.</div>	<div>To select a radio station using its number</div> <div>To change stations</div>	
<div>To switch the sound off and back again *</div> <div>To set the volume level *</div>		
<div>-</div>	<div>Audio cassette functions</div>	

\* If the function is available on the original remote control of the device to be controlled.



• Only devices made by the THOMSON group benefit from extended functionalities on most of the remote control keys.



# NAVIClick settings

Recording functions

## Naviclick guide downloading time

*The programs are downloaded either at 3 AM or 8 AM.*

To choose the downloading time, follow the instructions below:

1. If the main menu is not displayed, press the **menu** key on the remote control.
2. With the navigation keys, select **Setup** then **Installation** followed by **Naviclick**. Each time, press **ok** to validate.
3. The line **Update Time** is already selected, press **ok**.
4. Choose **3:00** or **8:00** AM.

Choose **Off** if you don't want the device to switch on at the selected time (3:00 or 8:00 AM).

## Choosing the channel from which to download the Naviclick guide

*The programs can only be downloaded from certain channels. Your DMR allows you to select the channel from which the TV guide will be downloaded.*

In step **2.** above, select **NexTVView Channel** and using the **pr+/pr-** , keys to select a channel which broadcasts a TV guide. Refer to the list of channels on the next page. Press and hold the key for a rapid selection.

*Refer to the list of channels on the next page.*

## Naviclick update

*Some channels may modify the layout of their Teletext broadcast. In such a case, and unless the structure is totally changed, you will have to update the number of the first Teletext page allocated to the TV guide for the Naviclick function to start working again. The list of pages is usually included in the Teletext broadcast. Use your TV set's Teletext function to find this information. Look for the page number for the day's programs and the following day's page number.*

From step **2.** above, select **channel Page** and press **ok**. The first number is that of the day's programs and the second is that of the following day's programs. The menu which appears shows 2 Teletext page numbers for each channel (the first number is that of the day's programs and the second is that of the following day's programs).

Pr(1)	BBC	110	000
Pr(2)	CNBC	421	000
Pr(3)	CNN	430	000
Pr(4)	SKY NEWS	461	000
Pr(5)	TBN	502	000
Pr(6)	MTV	534	000

Update Time

Channel Page

NexTVView Channel

To update this information, use the **navigation** keys to place yourself on the channel to be modified. Then use the **number** keys to enter the 2 numbers of the correct page.



# Channel identification

Recording functions

Here is the list of the main channels broadcasting TV guides.

Names	Abbreviations	Names	Abbreviations	Names	Abbreviations
3Sat	.3SAT	Home Order TV	.HOT	Sat1	.SAT1
Anglia TV	.ANGL	HTV	.HTV	SCI FI channel	.SCI
ANIM	.ANIM	Italia Tele+ black	.T+B	Scottish TV	.SCOT
Antena3	.ANT3	Italia Tele+ white	.T+W	SKY Cinema	.SKYC
ARD	.ARD	Italia1	.ITAL	SKY MovieMax	.MMAX
Arte	.ARTE	ITV	.ITV	SKY News	.SKYN
ARTE	.ARTE	Ka2	.KA2	SKY One	.SKY1
BBC World	.BBCW	Kabel1	.KAB1	Sky Premier	.SKYP
BBC1	.BBC1	KENT	.KENT	SKY Soaps	.SKYS
BBC2	.BBC2	Kinderkanal	.KIKA	SKY Sports	.SP
BBC2	.BBC2	LA5	.LA5	SKY Sports2	.SP2
Border TV	.BORD	Learning channel	.LEAR	SKY Sports3	.SP3
BR-Alpha	.BR-A	London Weekend	.LWT	Super RTL	.SRTL
BR3	.BR	MDR	.MDR	SVT1	.SVT1
Bravo	.BRAV	MDR3	.MDR3	SVT2	.SVT2
BRT2	.BRT2	Meridian	.MERI	SWR BW	.BW
BRTN TV1	.TV1	MTV	.MTV	Tele Madrid	.TELM
C33	.C33	MUXX	.MUXX	Tele5	.TEL5
Canal Plus Spain	.C+S	N-TV	.N_TV	TF1	.TF1
Canal Sur	.CANS	NBC Europe	.NBC	TMC	.TMC
Canal5	.CAN5	NDR3	.N3	Trouble TV	.TRBL
Canal9	.CAN9	Nederland1	.NED1	TS11	.TS11
Cannel+ Poland	.C+P	Nederland2	.NED2	TS12	.TS12
CANV	.CANV	Nederland3	.NED3	TSR1	.TSR1
Carlton TV	.CARL	Network2	.NET2	TSR2	.TSR2
Cartoon Network	.TNT	Nickelodeon	.NICK	TV Polonia	.TVP
Central TV	.CENT	Nova TV	.NOVA	TV2	.TV2
CH4	.CH4	NRK1	.NRK1	TV2	.TV 2
Channel TV	.CHAN	NRK2	.NRK2	TV2	.TV2
Channel5	.CH5	ORB3	.ORB	TV3	.TV3
CNBC	.CNBC	ORF1	.ORF1	TV4	.TV4
CNNI	.CNN	ORF2	.ORF2	TV5	.TV5
CT1	.CT1	Phönix	.PHOE	TVE1	.TVE1
CT2	.CT2	Polsat	.POLS	TVE1	.TVE1
Disney Channel	.DISN	Polsat2	.POL2	TVE2	.TVE2
DR1	.DR1	Premiere	.PREM	TVE2	.TVE2
DR2	.DR2	Prima	.PRIM	TVP1	.TVP1
DRS SF1	.SF1	Pro7	.PRO7	TVP2	.TVP2
DRS SF2	.SF2	QVC	.QVC	TYNE Tees TV	.TYNE
DSF	.DSF	QVC UK	.QVC	UK Gold	.UKG
DUNA	.DUNA	Racing Ch.	.RACE	UK living	.UKL
DWTV Berlin		RAI 1	.RAI1	UKHO	.UKHO
ETB1	.ETB1	RAI2	.RAI2	Ulster TV	.ULST
ETB2	.ETB2	RAI3	.RAI3	Veronica	.VER
Euronews	.NEWS	Rete4	.RTE4	VH1	.VH1
Eurosport	.EURO	RTBF1	.BF1	VIVA	.VIVA
FilmFour	.FOUR	RTBF2	.BF2	VOX	.VOX
FOX TV	.FOX	RTE1	.RTE1	VRT2	.VRT2
FoxKids	.FOX	RTL	.RTL	VT4	.VT4
France2	.FR2	RTL2	.RTL2	VTM	.VTM
France3	.FR3	RTL4	.RTL4	WDR3	.WDR
Gallega	.GALL	RTL5	.RTL5	Westcountry	.WEST
Grampian TV	.GRAM	RTL7	.RTL7	Yorkshire TV	.YORK
Granada Plus	.GRP	RTP1	.RTP1	ZDF	.ZDF
Granada TV	.GRAN	RTP2	.RTP2	ZEE TV	.ZEE
Hessen3	.H3	RTPI	.RTPI		





# Troubleshooting guide

*If you have a problem*

## Nothing works

### Your DMR doesn't switch on.

- Did you move the DMR ? Check the power plug: is it well plugged into the mains socket? Also check the power cable jack at the rear of the DMR; is it well pushed in.
- Is the mains socket to which you DMR is connected receiving current ?  
Try to plug in a lamp or other electrical device: do they work ? Check the corresponding fuse in your house's fuse box.

### The remote control doesn't work.

- To control your DMR, the function selector on the remote control must be on the *dvd* position.
- Point the remote control at the front of your DMR, not at your TV set.
- The operating range of the remote control is 6 to 8 metres. It gradually decreases as the batteries wear down. This is a good indicator of the state of the batteries.
- Make sure no objects (or animals) are in the path of the infrared beam between the remote control and your DMR. They may block the beam and thereby cause a malfunction of your DMR.
- The batteries may be worn. Replace them. Ensure correct polarities (+, -).

### The remote control of your DMR also controls another device.

- Some DVD players made by the Thomson group (Thomson, Brandt, Ferguson, Saba, Téléfunken) react to the same codes. To avoid this inconvenience, you can program your DMR and its remote control so they have a different code to those of the other devices. Refer to page 59.

### The remote control and the DMR don't work anymore: everything seems blocked.

- Unplug your DMR from the mains for a few moments and plug it back in.

## Picture problems

### You don't see any picture.

- Turn on your TV set and your DMR.
- On your TV set, select the socket which receives the signals from your DMR (AV1, TV1, AUX1, etc., depending on the make, if connected as shown on page 8 or 19).
- Make sure that all connectors are well pushed into the various sockets.

### The colours aren't natural.

- Check that the scart cables are well pushed into the sockets of the various devices.

### The image format doesn't match the screen format of your TV set.

- The image format is adjustable. Refer to pages 34 and 35. With certain discs, the format is pre-set and cannot be changed.

## Sound problems

### No sound

- Check that the DTS and Dolby Digital settings are suited to the specifications of the device connected to the digital audio sockets (coaxial or optical) (➔ page 50).

### The sound is very low or inaudible.

- The sound of the TV set has been cut or set at a very low level. Press the (🔊) key on your TV set's remote control and/or adjust the volume on your TV set (or amplifier, if such is the case).

### The sound of the headphones plugged into the front of the DMR is too loud or too quiet.

- Adjust the volume. Refer to pages 24 and 25.

## Menu problems

### The menus or subtitles do not appear in the language you want.

- With a DVD: the DVD menus are not displayed in your language. Check the disc jacket to see which languages are available. Choose the language of your choice, if available (➔ page 46).
- With a DVD: there are no subtitles. Check the disc jacket to see whether subtitles are available. Choose the subtitles of your choice, if available (➔ page 47).
- The preferred language for DVD dialogues and subtitles was set upon initial installation of your DMR. To change it, refer to pages 46 and 47.
- You can also change languages during disc playback by pressing the red key (🔴) for dialogues and the green key (🟢) for subtitles. This selection is only valid for that disc, as long as it is not removed from the disc tray.

### The menus of your DMR do not appear in the language you want.

- Check that your language is available in the settings menu (➔ page 46). If not, choose another language.

### You can't access the selected menu, even when you press ok.

- If the name of the menu appears on a transparent background, it means that the corresponding menu or function is not available. The **Disc**, **Video**, **Music**, **Pictures** and **Card** menus are contextual menus: they depend on operations performed beforehand such as:

- **Disc** is only accessible if there is a disc in the disc tray of your DMR.



*If you have a problem*

- **Video** is only accessible once you have recorded a TV program or video sequence (from an external device).
- **Music** is only accessible if you have copied an audio file in MP3 format.
- **Pictures** is only accessible once you have copied an image in JPEG format.
- **Card** is only accessible once you have connected a card reader to the front USB socket and inserted a card in it.

#### **Your DMR menu disappears.**

- As with computers, your DMR has a screen saver which replaces the fixed menu by a mobile THOMSON logo. Press on a navigation key to bring back the fixed menu.

#### **The Carte line in your DMR's main menu remains inactive.**

- The reader is not recognised by your DMR. The compatible readers are listed on page 21. They correspond to the "USB 1.1 Mass Storage Class". In certain cases, you need to turn your DMR off then back on for the reader to be recognised.

#### **The display or reading of digital images in JPEG format is slow.**

- Image display can take a fairly long time, depending on the size of the images. If the images are too "bulky", your DMR may not be able to display them correctly.

### **Disc playing problems**

#### **The DVD doesn't play, even when you press the PLAY button.**

- The disc rating is higher than the limit that you have set (➔ page 49).

#### **Fast forward or rewind doesn't work.**

- Some discs have scenes which do not allow fast forwarding, rewinding or chapter skips. When a command is prohibited or is not available for the current section or operating mode, a prohibition sign (⊘) appears on-screen for a few moments.

#### **You can't change the camera angle.**

- Most DVDs do not have multiple viewing angles. When this option is available, it usually only applies to a few scenes.

### **Other problems**

#### **You forgot the secret code for the Child Lock.**

- To unlock your DMR, you have to enter the secret code that you chose. If you have forgotten it, follow the instructions below: Open the disc tray and make sure there is no disc in it. Close the disc tray. While pressing and holding down your player's **STANDBY/ON** key, press and hold down the remote control's

**STOP** key for at least 3 seconds of your DMR. Release the **STANDBY/ON** button. Turn off your DMR then turn it back on by pressing the **STANDBY/ON** button at the front of your DMR. The menu displayed on-screen is the menu which enables you to choose your DMR's display language. It confirms that all settings made since initial installation have been deleted. The DMR has been reconfigured as it was when purchased (factory settings). Refer to page 5 of this manual to restart the installation of your DMR.

#### **You can't watch what happened 50 minutes ago.**

- Your DMR's buffer memory stores no more than 45 minutes of TV programs. If you want to save more than 45 minutes of program, you have to record the program you are watching by pressing the **RECORD** button. Please note that you have to record the program right from the start. As soon as you press **RECORD** the contents of the buffer memory is deleted, even after a pause.

#### **You can't switch channels.**

- During the recording of a TV program (or video sequence from a connected device), switching channels is impossible. To change channels, you have to stop the recording completely (➔ page 41).

#### **The TV guide (NAVICLICK) is not displayed.**

- Downloading may be disabled. Make sure that **Off** is not ticked (➔ page 54).
- Does the channel broadcast a TV guide ? Check in the list on page 55.

#### **In quiet moments, you hear a slight hum coming from your DMR.**

- Your DMR is equipped with a fan. It releases heat in order to ensure proper cooling. It switches on as soon as your DMR is turned on and produces a slight hum.

#### **The display or reading of digital images in JPEG format is slow.**

- Image display can take a fairly long time, depending on the size of the images. If the images are too "bulky", your DMR may not be able to display them correctly.

#### **The time occupied by JPEG images or MP3 files copied onto the hard disc is not indicated on the banners.**

- The only way to find out how much time is available on your hard disc is by recording a TV program or a video sequence (from an external device). It is then indicated on the banner (➔ page 28).





# CD-Rs and MP3 files - (Recommendations) <sup>(1)</sup>

Additional info

## About CD-R discs



*This unit can play most CD-R discs. However, depending on the condition of the CD-recorder, computer and the disc used, you may find that not all discs will play successfully. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognize the disc before starting to play. If the disc is not recognized after a period of 20 seconds, remove the disc, and then insert it again. If after several trials, this disc cannot be recognized, make sure you have followed the recommendations below or try another type of disc. There are two main types of recordable CDs:*

- CD-R audio discs (for music only), which should be used when recording with HiFi CD-audio recorder.
- CD-R Data discs are designed for recording via a CD writer on a personal computer. Use these discs as a preference.

- Whatever the real recording capacity of the CD-R, do not use more than 630 Mb of recording space on the disc.
- As a preference, opt for 74-min (650 Mb) CD-Rs instead of 80-min (700 Mb) CD-Rs.
- As a preference, opt for CD-Rs instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty.
- Use reliable, good-quality CD writing software.
- Close all other applications on the computer to ensure reliable CD-R disc recording.

Make sure that the recording is "long enough" to be played. If the recording is too short, disc identification time may be increased.

## About MP3 files copied onto CD-Rs



*In the case of CD-R MP 3 discs, please follow all the recommendations for CD-R above, plus the comments below:*

### Format

- **Your MP3 files should be ISO 9660 or JOLIET format.** ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.

### Name

- **When naming your MP3 files do not exceed 12 characters, and place ".mp3" as the file extension.** General name format of: Title.mp3. When composing your title ensure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including ( , . / , \ , = , + ) .

### Compression

- **Use a decompression transfer rate of at least 128 kb/sec (kilobytes/second) when recording MP3 files.** Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to MP3 format, of at least 128 kb/sec and up to 160 kb/sec. However, choosing higher rates, like 192 kb/sec or more, only rarely give even better sound quality. Conversely, files with sampling rates below 128 kb/sec will not be played properly.

### Protection

- **Do not try recording copyright protected MP3 files.** "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trade mark of The SDMI Foundation). You must not copy such files.



**Important:** The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (that is degraded sound quality and even, in some cases, inability of the player to read the file or files).



# Remote control - Code A-B

Additional info



With certain devices (TV/DVD combos or other DVD players) the remote control of your DMR may control the DVD player of the other device. If such is the case, you can program the DMR's remote control and the DMR on another code called code **B** <sup>(1)</sup>.



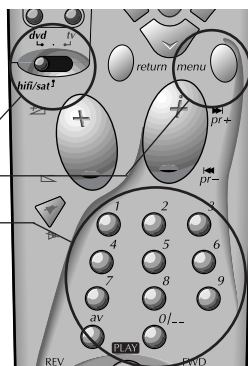
• The **Code A-B** function is only available for the **dvd** position on the selector of the remote control.



## Remote control setting on code B

Your DMR's remote control is set on code **A** (**201**). To set it on code **B** (**200**) follow the procedure below.

1. Place the selector on the **dvd** position.
2. Press and hold the **menu** key.
3. With the number keys, press **2, 0, 0**.
4. - Release the **menu** key.



## DMR setting on code B

1. Switch on your DMR.
2. Check that there is no disc in the disc tray.
3. Simultaneously press the **STOP**, **PLAY**, **AV** buttons at the front of your DMR and release them when your DMR displays **DVD B**.
4. Try to control your DMR with the remote control.

Code	No. to key in	On display panel
A	201	DVD A
B	200	DVD B



• In the event of a problem, redo the setting of both components: the remote control and your DMR.



# Technical data

Additional info

<b>Mains supply</b>	220 to 240 V - 50/60 Hz
<b>Consumed power</b>	36 W when ON (approx.) < 3 W in the ECO MODE.
<b>Dimensions</b>	430 x 99 x 367 mm
<b>Weight</b>	approx. 5,9 kg
<b>Functioning conditions</b>	+5°C to + 35°C Surrounding humidity: 80 % maximum
<b>Playback system</b>	2 Laser diodes - Wave length: 655 / 780 nm, Laser power CLASSE 2
<b>Audio signal to noise ratio (DVD)</b>	110 dB (A wtd)*
<b>Wow and flutter</b>	below measurable limits*
<b>Total harmonic distortion</b>	less than 0.004%*
<b>Tuner</b>	PLL, VPS/PDC Type
<b>Reception norms</b>	LL' - BG - I - DKK'
<b>Number of storable channels</b>	99
<b>Hard disc</b>	40 Gb – Up to 36 hours on Low quality.
<b>Remote control</b>	Infrared 33 Khz - Batteries 2 x 1,5 V (AA)
<b>Menu language</b>	French, English, German, Spanish, Italian, Swedish.

\* Nominal Specification.

• THOMSON Multimedia reserves the right to change the specifications without notice.

## If you encounter difficulties

Advisors are at your disposal to help you solve your problems at this telephone number.



### THOMSON HELPLINE

You can contact THOMSON by dialling:

**0845 601 3093**

(For Great-Britain, all calls will be charged at local rate)

[www.thomson-europe.com](http://www.thomson-europe.com)

*In the event of servicing by a certified retailer for repair purposes, THOMSON Multimedia does not guarantee the recordings remaining on the hard disc of your DMR.*

*In our efforts to improve the quality of our products, we reserve the right to change their features. The information contained in these instructions are therefore liable to change and are not contractual.*